Full-Scale S-76 Rotor Performance and Loads at Low Speeds in the NASA Ames 80- by 120-Foot Wind Tunnel

Volume 2

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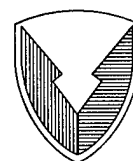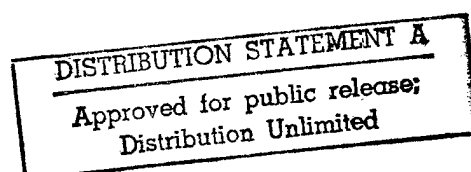
Volume 2

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APPENDIX D

FORWARD FLIGHT
DETAILED DYNAMIC LOADS DATA

Forward Flight
Detailed Dynamic Loads Data

Detailed dynamic loads data are divided into two sections; thrust sweep data and speed sweep data. Data for both forward flight thrust sweep conditions and speed sweep conditions with minimized flapping trim are presented in tabulated form in this appendix. Thrust sweep data runs are grouped in terms of increasing rotor advance ratio and shaft angle-of-attack, α_s. Speed sweep data runs are grouped in terms of increasing shaft angle-of-attack, α_s, and thrust condition. For each of the measurements, the time-averaged mean, root-mean-square, one-half peak-to-peak value (absolute maximum minus the absolute minimum divided by 2), and the first twenty harmonics expressed in terms of *Cosine* and *Sine* components are presented. Definitions of the measurements that are presented in this section are shown below. Identification of test conditions and its location within this appendix are presented following these definitions.

Nomenclature

ALFS,U, α_s	rotor shaft angle, positive aft of vertical, deg
b	number of rotor blades
BARO	atmospheric pressure, lb/ft^2
c	airfoil chord length, ft
CLRH/S	rotor lift force coefficient divided by rotor solidity, wind axis, positiveup, LIFTH,C/$\rho(\Omega R)^2 S_R$
CP/S	rotor power coefficient divided by rotor solidity, POW/$\rho(\Omega R)^3 S_R$
C_S	speed of sound, ft/s
CTH/S	rotor thrust coefficient divided by rotor solidity, THRUST/$\rho(\Omega R)^2 S_R$
CXRH/S	rotor propulsive force coefficient divided by rotor solidity, wind axis, positive forward, -DRAGH,C/$\rho(\Omega R)^2 S_R$
DRAGH,C	rotor wind-axis drag, positive downstream, lb
LIFTH,C	rotor wind-axis lift, positive up, lb
MTIP	rotor rotational tip Mach number, $\Omega R/CS$
OMEG*R	rotor tip speed, ΩR, ft/sec
POINT, PT	data point number
POW	rotor shaft power, TORQ,C * Ω, ft-lb/s
r	rotor strain gage position along span of rotor, ft
R	rotor radius, ft
r/R	Ratio of strain gage position along span of rotor relative to rotor radius

RHO, ρ free-stream air density, ρ, slug/ft^3

RUN   data run number

S_R rotor blade area, bcR, ft^2

THRUST   rotor thrust, perpendicular to tip-path-plane, positive up, lb

TORQ,C   flexcoupling or rotor shaft torque, ft-lb

V/OR, μ rotor advance ratio, V/ΩR

VKTS   free stream velocity, kt

σ rotor solidity, bc/πR

Ω rotor rotational speed, rad/s

Measurement Descriptions

Parameter Name	Measurement Type	Location, r/R	Units	Positive Sign Convention
MRNB1A	Flap Bending	0.127	ft-lb	tip up
MRNB2	Flap Bending	0.200	ft-lb	tip up
MRNB3	Flap Bending	0.300	ft-lb	tip up
MRNB7	Flap Bending	0.679	ft-lb	tip up
MRNB9A	Flap Bending	0.920	ft-lb	tip up
MREB1A	Chord Bending	0.127	ft-lb	leading edge tension
MREB2	Chord Bending	0.200	ft-lb	leading edge tension
MREB3	Chord Bending	0.300	ft-lb	leading edge tension
MREB4A	Chord Bending	0.454	ft-lb	leading edge tension
MRPR3	Pitch Link	0.05168	lb	tension
MRFLAP1	Blade Flap	≈ 0.060	deg	tip up

Thrust Sweep Detailed Dynamic Data Index

V/OR Advance Ratio	ALFS,U deg	RUN	PTS	CTH/S	DATA LOCATION
0.050	-2	44	14-23	.030-->.120	D-9 to D-28
0.081	0	48	32-36	.038-->.075	D-29 to D-38
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0.100	-15	63	9-18	.030-->.120	D-39 to D-58
0.100	-10	45	5-14	.030-->.120	D-59 to D-78
0.100	-2	44	6-13	.038-->.100	D-79 to D-94
0.100	5	46	5-10	.050-->.100	D-95 to D-106
0.100	10	47	5-8	.070-->.101	D-107 to D-114
		49	5-12	.070-->.120	D-115 to D-130
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0.125	5	26	12-18	.054-->.111	D-131 to D-142
		29	5-12	.060-->.100	D-145 to D-160
0.125	10	30	5-11	.064-->.121	D-161 to D-174
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0.150	-15	63	19-27	.031-->.111	D-175 to D-192
0.150	-10	21	23-31	.031-->.098	D-193 to D-210
		22	12-22	.023-->.119	D-211 to D-232
0.150	-2	24	7-13	.041-->.120	D-233 to D-246
0.150	5	28	7-14	.059-->.119	D-247 to D-262
0.150	10	30	12-17	.070-->.119	D-263 to D-274

Thrust Sweep Detailed Dynamic Data Index
(Continued)

V/OR Advance Ratio	ALFS,U deg	RUN	PTS	CTH/S	DATA LOCATION
.200	-10	22	23-27	.014-->.060	D-275 to D-284
		23	5-14	.015-->.120	D-285 to D-304
.200	-2	25	5-13	.041-->.118	D-305 to D-322
.200	5	28	15-21	.063-->.120	D-323 to D-336
.200	10	30	18-23	.078-->.121	D-337 to D-348
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.250	-15	63	28-35	.031-->.090	D-349 to D-364
.250	-10	23	15-24	.030-->.116	D-365 to D-384
.250	-2	25	14-21	.038-->.105	D-385 to D-400
.250	5	29	13-19	.070-->.120	D-401 to D-414
.250	10	31	11-16	.083-->.120	D-415 to D-426

Speed Sweep Detailed Dynamic Data Index

ALFS,U deg	CTH/S	RUN	PTS	V/OR Advance Ratio	DATA LOCATION
-10	0.065	36	6-11, 22-33	.251-->.006	D-427 to D-462
-5	0.065	51	5-18	.250-->.011	D-463 to D-490
-2	0.065	32	7-19	.250-->.000	D-491 to D-516
	0.065	34	5-18	.250-->.032	D-517 to D-544
5	0.065	38	5-21	.250-->.010	D-545 to D-578
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-10	0.080	37	5-18	.251-->.011	D-579 to D-606
-5	0.080	53	5-10,12-21	.250-->.014	D-607 to D-638
-2	0.080	32	20-32	.250-->.000	D-639 to D-664
	0.080	35	5-19	.251-->.031	D-665 to D-694
0	0.080	48	5-31	.013->.250->0	D-695 to D-748
5	0.080	39	6-20	.250-->.011	D-749 to D-778
10	.0080	41	5-18	.252-->.010	D-779 to D-806
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10	0.084	31	17-22	.252-->.080	D-807 to D-818
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-10	0.100	37	19-31	.251-->.011	D-819 to D-844
-2	0.100	33	5-15	.251-->.000	D-845 to D-866
		35	20-30	.251-->.030	D-867 to D-888
5	0.100	39	21-32	.249-->.010	D-889 to D-912
10	0.100	41	19-30	.251-->.000	D-913 to D-936

RUN 44   PT 14

V/OR = 0.051   ALFS,U = -2.00   CLRH/S = 0.029976   CTH/S = 0.029989
VKTS = 20.5   MTIP = 0.606   CXRH/S = 0.000900   CP/S = 0.001657

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	87.4		-40.3		10.4		-28.1		5.4	
RMS	43.9		41.2		39.6		55.8		22.2	
1/2 P-P	126.6		110.8		88.2		108.5		54.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-19.4	13.6	-22.1	3	-23.1	-2.8	-22.7	-11.9	-4.9	-3.6
2nd	-3.4	-3.8	-9.4	-3.3	-13.3	-3.5	-40.4	0.4	-19.5	4.6
3rd	-27	19.8	-25.9	26.1	-26.6	29.2	-31.5	49.5	-7.6	8.2
4th	-26.1	0.5	-21.5	7.1	-19.2	8.8	12.6	-1.3	12.1	-4.7
5th	13.5	-3.1	13	-3.7	12.4	-1.3	-12	0.8	2.9	-5.1
6th	-16.6	12	-11.1	12.6	-7.6	9.6	5.7	-8.7	-2.2	1.4
7th	-18.6	-1.6	-14.3	1.5	-7.6	2.3	2.8	-3.6	-8.8	6.1
8th	-6	15.1	-2.6	11.1	-1.7	3.1	-0.2	3	-2.2	5.8
9th	-6.6	6.4	-3.2	6	0	2.5	-2.7	3.4	2.1	-2.5
10th	-1.4	0.8	-0.4	1.3	0.2	0.8	-0.1	0.2	1.1	-3.1
11th	6.4	15.2	6.2	6.7	-0.4	-1.5	4.5	3.2	-3.6	-2.8
12th	0.5	1.8	1.1	0.4	0.3	-0.9	1.1	0.3	-1.1	1.7
13th	1.7	1.3	1.1	0.2	0.3	-0.2	0	-0.1	0.6	0.4
14th	-0.4	1.6	-0.2	0.3	-0.5	-0.1	-0.3	-0.6	0.6	0
15th	-2.4	-2.7	-1.5	-0.1	0.8	0.4	1.6	0.7	-1.5	-0.4
16th	1.4	1.2	0.6	0.3	-0.5	-1	-1	-0.3	0.3	0.6
17th	-0.9	1.8	-0.1	0.5	0.2	-1.3	-0.2	-1	0.3	0
18th	-0.4	0.9	0.1	0.1	0.3	-0.7	-0.2	-0.4	0.3	-0.8
19th	0.9	-2.5	0	-0.2	0.3	1.7	0.1	0.1	0.4	1.7
20th	2.7	0.5	-0.3	-0.4	-1.1	0.3	0.4	0.2	-1.5	1

RUN 44   PT 14

V/OR = 0.051   ALFS,U = -2.00   CLRH/S = 0.029976   CTH/S = 0.029989
VKTS = 20.5   MTIP = 0.606   CXRH/S = 0.000900   CP/S = 0.001657

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-31		707.9		314		1206.6		-20.9	
RMS	104.4		87.7		103.3		94.9		77.3	
1/2 P-P	240.6		208.9		219.7		192.4		158.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-49.1	115.2	-16.4	78.5	18.6	68.8	22.9	39.4	-17.2	92.9
2nd	20.8	-9.6	26.4	-11.1	43.7	-10.8	41.6	-5.7	32.8	-5.3
3rd	40.4	-49.9	36.8	-60.7	50.7	-90.4	35.3	-78.9	-10.5	-9.4
4th	0.8	1.2	-8.7	29.3	-16.3	39	-27.3	52.3	-34.5	-13.2
5th	-17.6	-6.7	-17.5	-14.1	-19.3	-24.1	-2.7	-30.2	-0.7	8.7
6th	-4.6	-18	3.5	-8.9	7.6	-0.7	-0.5	20.9	-5.4	-5.5
7th	16.2	-3.9	14.4	3.2	1.3	10.8	-26.3	16.1	-4.2	0.9
8th	5.3	-3.9	5.9	-13.1	4.2	-6.3	-0.7	10.6	0.4	7.5
9th	-11.4	-9.4	-4.5	-9.9	1.2	-3.8	6.6	8.6	0.2	-2.7
10th	0.9	-2.3	1.1	-1.9	0	-1	-0.8	2.8	0.2	-5.4
11th	3.2	-13.8	-9.7	-22.7	0.8	-4.1	7.2	15.8	-3.2	2.6
12th	3.5	-7.3	0.4	-10.5	0.8	-5.1	0.8	3.8	-1.5	0.5
13th	0.9	0.5	-0.6	-0.1	1.4	0.3	0.6	-0.4	-0.6	-0.1
14th	0.9	0.4	-0.8	-2.3	-1	0.4	-0.2	-0.2	0.4	3.7
15th	0.3	0.2	0.5	0.7	-4.3	-1.9	0	1.1	3.8	-1.3
16th	-0.7	-0.1	-0.5	0.6	2.5	1.5	0	0.4	-0.5	-1.8
17th	1.8	0.1	-1.4	-1.1	-3	3.2	-0.8	-0.7	-0.2	-1.9
18th	1.2	-0.2	0.1	-0.4	-0.2	1.7	0.2	-0.2	-1.1	0.6
19th	3.1	3.9	-2.6	1	-8.7	-5.9	-4	1.8	-0.1	-2
20th	2.9	2.4	-1.9	1.5	-3	-1.5	-7.8	1.7	-0.7	0.9

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RUN 44   PT 15

V/OR = 0.051   ALFS,U = -2.00   CLRH/S = 0.040660   CTH/S = 0.040676
VKTS = 20.5   MTIP = 0.605   CXRH/S = 0.001156   CP/S = 0.002162

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	106.4		-26.5		19.4		-15.4		16.8	
RMS	52.3		48.6		48		71.7		30.1	
1/2 P-P	137.5		123.2		101.4		134.6		66.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-27.3	24.8	-26.9	6.1	-27.4	-2.7	-46.1	-12.5	-10.5	-3.9
2nd	2.4	-1	-4.7	-3.5	-9.2	-5.4	-45.6	-5	-26.4	4.2
3rd	-29	25.3	-30.5	34	-33.7	38.1	-35.5	62.4	-13.5	10.5
4th	-30.2	-3.9	-25.6	5.8	-22.5	8.4	13.5	1.2	16.2	-5.5
5th	21.1	-1.6	19.7	-4	16.8	-2.2	-16.4	0.3	6.5	-6.4
6th	-20.7	11.4	-14.5	12.8	-9.2	9.5	8.9	-10	-2.4	2.6
7th	-14.5	-8	-12.9	-3.6	-7.7	-1.1	3.6	-2.3	-11.5	5.6
8th	-7	9.2	-3.9	7.1	-2.1	2.3	-0.7	2.1	-4.6	4.1
9th	-8.6	5.6	-4.4	5.7	-0.4	1.8	-3.1	3.1	3.2	-2.8
10th	-3.4	3.3	-1.3	3	0.3	0.9	-1	2	3.2	-4.2
11th	11.8	7.7	7.4	2.3	-1.4	-1.1	5.1	0.5	-4.2	-0.9
12th	-0.4	1.7	0.8	-0.1	0.4	-0.9	1	-0.4	-1.3	2.2
13th	-1.4	1.8	0	1.2	0.1	-0.4	0.2	0.2	-0.3	0.4
14th	-1.3	4.3	-0.1	1.2	-1.2	-1.3	-0.5	-1.5	0.4	1.7
15th	2.6	-4	0	-1.5	-1.3	1.8	-0.3	2.3	0.7	-1.7
16th	5.4	4	2.2	0.1	-2.2	-1.6	-3.5	-0.5	2.2	-0.4
17th	-0.6	1.8	0.1	0.7	-0.3	-1.2	-0.3	-1.2	-0.2	-0.2
18th	-1.3	-1.5	-0.5	0	1.1	0.2	0.7	0	0.8	0.5
19th	1	-3.6	0	-0.1	0.4	2	0.2	0.3	0.9	2.2
20th	-0.2	5.4	0.1	-0.2	-1.3	-3.1	0	0.6	-1.6	-2.7

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RUN 44   PT 15

V/OR = 0.051	ALFS,U = -2.00	CTH/S = 0.040676
VKTS = 20.5	MTIP = 0.605	CP/S = 0.002162
	CLRH/S = 0.040660	
	CXRH/S = 0.001156	

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-41.4		688.4		293.7		1189.4		-62.2	
RMS	209.3		163.6		174.2		145.7		95.9	
1/2 P-P	435.4		394.8		420.3		303.9		192.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-130.4	229.1	-66.1	158.7	-7.7	134.8	25.1	79.1	-20.1	113.7
2nd	29.9	8.1	31.8	0.3	45.9	1.7	40.2	0.8	45.6	6.7
3rd	89.1	-77.7	69.7	-96.1	81	-134	56.3	-114.1	-4.8	-8.3
4th	4	-0.7	-10.3	39.8	-22.6	57.8	-38.6	72.8	-40.8	-24.2
5th	-40	-10.8	-73.1	-16.7	-98.7	-27.8	-77.6	-34.5	-1.5	17.5
6th	-3.1	-15.4	6.7	-5.3	12.3	4	0.3	25.9	-5	-8.4
7th	28.1	-11.9	13.8	8.4	-6	26	-36.9	32.1	-6	3.5
8th	1.5	4	7.3	-4.3	7.3	-4.3	1.4	2.1	-0.5	5.9
9th	-15.2	4.3	-4.1	-2.1	1.4	-4.3	6.5	-0.1	-1.3	-1.7
10th	0.5	5	3.8	1.5	1.3	0.7	-1.2	1.1	1.5	-5.1
11th	-2.7	-18.2	-18.3	-18.1	-1.3	-6.5	13	11.4	0.8	-2.2
12th	0.9	-2.2	-1	-3	-0.9	0.2	1.9	0.1	-3.4	1.8
13th	4.2	3.9	7	1.1	3.7	2.9	-0.9	-0.3	-1.4	-0.5
14th	1.5	-0.7	-1.7	-3.7	-1.1	2.8	0.2	-0.4	-1.4	4
15th	0	0.7	0	2.7	1.6	-5	0.1	1.3	2	1.8
16th	0.1	-0.6	-9.3	0.5	0.6	2.9	-2.9	-0.2	-4.2	-0.9
17th	-0.3	-0.7	0.8	-2.5	3	0.7	1	-0.9	0	0.4
18th	0.6	-0.7	1.7	0	-2.1	-0.8	1.6	0.6	-0.2	0.7
19th	-0.7	-0.2	1.3	2	-0.1	-4.5	1.7	3.9	-0.7	-1.3
20th	3.8	-0.9	-1.9	-1.3	-0.5	8.7	-6.8	-3.6	-1.9	-0.6

RUN 44   PT 16

V/OR = 0.051   ALFS,U = -2.00   CLRH/S = 0.050579   CTH/S = 0.050599
VKTS = 20.4   MTIP = 0.606   CXRH/S = 0.001437   CP/S = 0.002751

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	130.3		-11.5		29.3		1.9		28.8	
RMS	56.6		50.4		48.5		81.6		37.3	
1/2 P-P	134.3		116.6		100.3		151.1		88.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-28.5	33	-28.7	8	-28.6	-4.5	-65.7	-13.6	-12.4	-6.2
2nd	5	-0.1	-2.5	-3.8	-6.4	-5.9	-51.8	-10.2	-34.1	2.5
3rd	-26.8	24.3	-28.9	35	-32.7	40.1	-32.1	66.1	-19.5	13.4
4th	-26.2	-7.2	-22.8	2.6	-20.2	5	9.4	2.6	17.2	-5
5th	26.5	-10.7	21.7	-13.3	17.5	-9.8	-15.9	7.1	10.7	-4.8
6th	-18	9.4	-13.2	9.6	-8.4	7.3	8.4	-7	-0.4	2.3
7th	-23.6	-16.6	-20.2	-7.4	-10.5	-1.8	4.5	-3.1	-15.1	3.9
8th	-2.1	4.9	-1	4.2	-1.4	2.6	0.5	1.4	-5.8	4.1
9th	-7.4	9.7	-3.8	7.8	-0.9	2.2	-2.7	3.9	2.8	-3.4
10th	-6.5	3.2	-3.8	2.8	-0.2	0.6	-2.1	2	3.8	-4.7
11th	13.9	-4	6.4	-4.1	-1.2	0.2	3.7	-2.8	-2.3	2.6
12th	-2.5	2.9	-0.1	0.8	1.5	-0.8	0.7	-0.3	-1	1.9
13th	-3.3	2.2	-0.9	1.1	1	-0.7	0	-0.2	-1.3	1.2
14th	-1.5	-2.3	-0.9	-0.2	0.5	1.1	0.7	0.6	-0.7	-0.4
15th	4.8	-6.7	0.7	-2.7	-1.7	3.1	-0.9	3.7	1.4	-3.7
16th	0.7	1.8	0.6	0.4	-0.4	-1.7	-0.7	-0.7	0.5	-0.1
17th	-2.6	0.5	-0.7	0.9	1	-1	1	-1.2	-0.5	0.7
18th	0	0.4	0.3	-0.2	0.3	-0.1	-0.3	0	0.6	-0.1
19th	2.7	-0.5	0.3	-0.2	-0.9	1	-0.1	0.1	-0.9	0.9
20th	1.9	2	-0.4	-0.3	-1.4	-0.7	0.6	0.1	-1.9	-0.8

RUN 44   PT 16

V/OR = 0.051   ALFS,U = -2.00   CLRH/S = 0.050579   CTH/S = 0.050599

VKTS = 20.4   MTIP = 0.606   CXRH/S = 0.001437   CP/S = 0.002751

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	12.3		716		301.8		1192.9		-88.7	
RMS	272.2		215.6		228.6		188.9		108.1	
1/2 P-P	564.9		546.4		565.7		399.9		208	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-141.7	323.1	-65.8	224.9	6.4	191	48.1	113.6	-13.5	132.9
2nd	24.5	-1.7	25.8	-7.1	39.3	-3.5	34.9	-3.4	54.8	11.1
3rd	87.9	-108.2	55.3	-123.1	58.5	-161.6	31.9	-136.3	2.6	-9.8
4th	-2.9	8.8	-22.5	57.8	-39	80.8	-54.2	94	-29.2	-28.2
5th	-48.6	15.3	-99.9	57.8	-142.5	82.1	-124.4	74.9	9.5	17.7
6th	-0.4	1.3	6.8	-5.2	10	-8.6	-2.1	0.3	1.2	-5.2
7th	11.7	-25.8	15.4	7	6.8	27.4	-23	32.7	-7.7	-0.2
8th	3.1	-7.3	4.3	-7.5	5.5	-3.4	1.9	5	1.9	3.6
9th	2.4	2.2	4.6	-7.4	2.5	-4.1	-2.1	6.9	-0.5	0.5
10th	13.5	15.9	16.9	6.4	5.1	3.2	-11.6	-3.2	1.6	-0.3
11th	-10.5	0.4	-19.4	9.2	-2.1	-0.2	13.9	-5.2	2.8	-0.1
12th	1.1	-4.3	0.3	-7.2	-1.6	-0.9	0.4	2.4	-3.2	-0.2
13th	-0.7	-0.1	-0.5	-4.4	-3	-0.5	0.1	0.8	-2.6	2.2
14th	1.7	0.7	6.1	2.4	2.6	-0.4	-0.6	0.5	0.3	-4
15th	0.3	-1	3.5	9.7	7.2	-2.6	0.1	1.9	-0.5	3.6
16th	-0.2	0.1	1.2	-7.3	4.3	-6.4	1	-1.7	0.5	-1.1
17th	3.3	-1.5	-0.5	0.5	-5.8	5.4	-0.1	0.9	0.9	-3.1
18th	-3.3	1	4.1	-2	7.4	-4.3	3.5	-2.5	-0.8	0.4
19th	1.2	4.6	-2.9	-0.7	-3.7	-7.8	-6	-1.4	-0.8	-1.3
20th	-2	1.3	0.2	-0.8	6.1	-3.6	-1.8	-3.5	0.2	0.4

RUN 44   PT 17

V/OR = 0.051   ALFS,U = -2.00   CLRH/S = 0.060331   CTH/S = 0.060349
VKTS = 20.4   MTIP = 0.605   CXRH/S = 0.001565   CP/S = 0.003390

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	150.4		3.1		38		20.3		40.1	
RMS	60.6		49.1		47.3		90.4		44	
1/2 P-P	143.3		118.4		97.2		167.5		92.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-29.5	44.4	-29.9	10.8	-30.1	-6.7	-81	-12.8	-12.2	-4
2nd	5.7	2.9	-1.6	-2.7	-4.6	-5.6	-61.8	-13.2	-42.6	3.4
3rd	-25.9	20	-27.8	32.1	-31.4	38.5	-33.4	62.8	-24.9	12.2
4th	-24.1	-14.3	-22.1	-3.3	-20.4	0.6	10.4	7.2	18.5	-6.2
5th	23	-20.1	14.3	-18.6	9.7	-11.8	-8.4	10.4	16.5	-4.1
6th	-14.4	6.4	-12.3	7.1	-9.6	5.6	8.8	-6.3	1	3.6
7th	-31.1	-13.9	-23.7	-4.5	-11.7	-0.4	3.9	-2.6	-16.6	4.9
8th	7.1	4.1	6	2.5	1.9	1.4	1	0.7	-3.9	2.7
9th	-5.6	6	-2.9	6.2	-0.6	2.9	-2.1	2.8	2.2	-3
10th	-2.9	0.1	-2.1	1.3	-0.8	0.7	-1.3	0.5	3.8	-2.5
11th	-5.8	-3.6	-3.6	-0.8	0.8	0.2	-1.9	-0.3	1.7	0.9
12th	0.5	-0.7	0.3	-1.4	0.6	-0.8	-0.2	-1	-0.8	1.6
13th	-1.7	2.5	-0.1	1.2	0.3	-1.3	0.2	-0.5	0.2	1.3
14th	-5.2	2	-0.6	1.4	1.2	-1.3	1.8	-1.2	-1.7	1.8
15th	0.6	-7.2	-1.1	-2.2	-0.3	2.6	1	2.8	-1.6	-2.7
16th	5.4	9.2	3.5	1.2	-3.6	-3.9	-4.8	-3.1	2.7	0.7
17th	-1.5	2.7	0.4	1.1	-0.3	-1.7	-0.2	-1.9	0.7	0.1
18th	-0.4	-3.9	-0.4	-0.3	1.3	1.5	0.9	1	1.3	1.7
19th	2.1	-6.4	-0.4	-0.6	1.1	3.3	0.9	0.7	0.6	3.9
20th	-2.6	0.8	-0.1	-0.3	0.8	-1.8	-0.2	0.1	0.2	-1.1

D-15

RUN 44   PT 17

V/OR = 0.051   ALFS,U = -2.00   CLRH/S = 0.060331   CTH/S = 0.060349
VKTS = 20.4   MTIP = 0.605   CXRH/S = 0.001565   CP/S = 0.003390

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	19.7		707.2		284.2		1171.9		-118.9	
RMS	304.6		251.6		282.8		248.9		118.4	
1/2 P-P	615.8		624.4		663.9		513.1		218.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-104	384.5	-29.2	267.1	46.6	231.6	86.4	139.8	-8.3	144.8
2nd	17.2	7.1	20.4	-2.6	34.8	-0.8	36.8	-3	60.2	16.4
3rd	58	-140.4	17.7	-148.5	16	-185.8	-7.7	-156.7	10.4	-10.5
4th	-5.5	7.1	-29.4	59.9	-48.5	84.2	-64.2	95.8	-24.5	-39.8
5th	-35.2	34.4	-89.3	132.5	-135.1	197	-127.4	196.7	15.7	12.1
6th	17	-0.7	3.4	-6.3	-6.3	-8.3	-27	0.1	6.9	-2.6
7th	-9.2	-20	11.8	5.3	12.4	19.8	-12.8	24.5	-11.3	1.8
8th	-5.4	-3.8	-4.7	-2.1	1.8	-1.2	11.7	4.1	1.9	0.3
9th	3.2	-11.1	3.9	-12.8	3.7	-4.4	1	12.4	1.2	0.5
10th	14.5	-12.1	11.6	-11.3	3.9	-3.6	-8.8	9.4	2.5	-1
11th	3.9	13.6	11	12.6	1.3	4.2	-6.2	-7.7	-0.4	-3.4
12th	1.8	1.9	2.5	2.3	1.4	1.5	0	-2.1	-2.2	3.1
13th	0.2	-0.1	1.3	-3.4	-0.4	0.6	-0.5	0.8	-1	1.1
14th	-0.4	-1.4	3.9	-7.5	-1.2	-1.2	2.3	0.9	-4.1	-2.4
15th	0.2	0.1	7.9	3.5	5	-7.1	0.1	1.2	3.5	0.5
16th	-0.8	-0.7	-11	-9.8	3.9	-1.8	-2.9	-4.8	-4.6	-1.3
17th	-0.3	-2.2	-0.5	-1	0.4	5.9	0.9	-0.3	0.9	-1.5
18th	2.1	0.8	-0.8	0.9	-7.6	-4.1	-0.1	2.5	-0.7	1.1
19th	-2.8	2.5	1.7	1.7	0.1	-13.5	3	4.7	0.7	0.4
20th	5.3	9.6	-2.8	-3.6	-16.6	-6.2	-8.5	-9.8	-0.4	0.5

D-16

RUN 44   PT 18

V/OR = 0.051   ALFS,U = -2.00   CLRH/S = 0.071395   CTH/S = 0.071419
VKTS = 20.4   MTIP = 0.605   CXRH/S = 0.001936   CP/S = 0.004186

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	174.5		19.6		48.8		37.7		51.1	
RMS	64.9		46.4		42.8		95.6		47.2	
1/2 P-P	139.5		112.4		97.1		177.1		97.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-24.2	56.4	-27.8	14	-29.3	-7.5	-92.3	-18.7	-13.7	-4.9
2nd	7.8	6.4	0	-1.6	-3	-5.9	-67.7	-17.8	-48.9	1
3rd	-27.2	11.5	-28.4	24.2	-30.7	30.3	-33.2	53.3	-24.9	9.1
4th	-22.8	-19.5	-21.6	-7.7	-21.2	-3.3	13.2	9.4	20.8	-4.3
5th	18	-21.4	8.9	-17	4	-9.2	-4.7	8.3	17.1	-2.1
6th	-8.6	6.4	-7.7	7.3	-6.5	5.6	6.9	-5.8	0.5	3.8
7th	-28.8	-20.4	-23.1	-10.2	-11.4	-3.2	3.9	-2.1	-15.8	0.7
8th	11.5	3.2	8.9	0.5	2.6	0.9	2.5	1.7	-2.8	0.3
9th	-5.8	2.9	-2.8	3.6	0.1	1.7	-2.1	0.9	2.2	-2.2
10th	-8.6	-3.6	-5.2	-0.2	0.8	0.5	-3.7	-0.2	5.3	-1.3
11th	-7.1	-18	-7.5	-7.8	0.4	2.4	-4.6	-4.4	3.9	4.2
12th	-4.1	1	-1.8	0.4	1.2	-0.8	-0.5	-0.1	0.1	1.5
13th	-5.7	2.6	-2.5	1.9	0.8	-1.4	0.1	-0.2	-1	0.9
14th	-0.6	-0.8	-0.7	0.6	-0.4	0.8	0.4	0.8	-1.2	-0.5
15th	4.4	1.5	1.9	-0.8	-1.8	0.1	-2.1	-0.1	2	-1
16th	0.8	7.2	1.9	1.3	-1.4	-2.9	-2.4	-2.8	2.5	1.2
17th	0	0.7	0.6	0.4	-0.2	-0.3	-0.4	-0.4	1.1	0.4
18th	0.2	-4.6	-0.1	-0.5	1	1.9	0.8	1.3	0.3	1.5
19th	4.4	-2.6	-0.2	-0.4	-1	2.4	0.3	0.8	-1.5	2.6
20th	-4.8	0.4	0.7	0.3	2.3	-1.7	-0.8	-0.1	2.6	-1.6

D-17

RUN 44 PT 18

V/OR = 0.051 ALFS,U = -2.00 CLRH/S = 0.071395 CTH/S = 0.071419
VKTS = 20.4 MTIP = 0.605 CXRH/S = 0.001936 CP/S = 0.004186

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	32.7		702.8		263.9		1149.1		-150.3	
RMS	324.8		267.3		302		273.1		135	
1/2 P-P	657.7		650.2		733.2		623		291.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-69.3	427.9	2.7	296.6	82.4	264.1	124.3	165.8	1.7	167.7
2nd	18.3	14.2	21.2	0	35.5	1.4	39.2	-3.2	64.7	22
3rd	25.6	-135.9	-12.2	-142.1	-15	-176.5	-34.3	-150.7	8.3	-15.6
4th	-14.2	-0.6	-42.6	48	-62.9	68.6	-77.3	77.8	-25	-45.2
5th	-18.8	36.3	-54	154.4	-85.6	234.8	-81	242	15.6	11.4
6th	18.1	-10.7	-3.7	-9.4	-17	-6.6	-33	6.8	4.1	-1.3
7th	-7.4	-5	9.7	12.3	6.3	16.3	-20.6	5.4	-7.9	0.4
8th	-3.7	2.6	-6.1	2.6	-0.6	1.8	12.4	1.7	1.8	-0.4
9th	-14.8	-7.5	-4.7	-5.3	2.9	-0.7	12	8.1	1.4	2.4
10th	-6.1	-13.7	1.7	-6.8	-1	-1.6	-1.9	6.7	-0.8	-2.9
11th	25.8	14.3	35.1	18.6	10	0.2	-21.5	-15.6	3.3	-2.1
12th	12.4	-1.6	16.9	-7.4	7.1	-2	-6.8	2.1	-0.9	3.9
13th	-9.7	4.8	-10.3	9.9	-13.3	12.1	1.8	-1.2	0.1	1.3
14th	-0.1	-0.7	-1.1	-1.1	-1.8	-1.6	0.3	2	3.1	-5.8
15th	-0.4	0.7	-0.2	-2.4	7.5	-3.7	0.3	-1.6	-2.4	2.1
16th	-0.3	0.3	-6.3	-3.6	0.1	5.7	-0.9	-3.3	-2.4	1.1
17th	-2.5	-0.7	-0.1	-1.3	2.6	-0.1	1.2	0.6	-0.7	-2.9
18th	-1.7	0.5	1.1	2.8	-1.9	-4	1.8	4.3	1	0.7
19th	0.6	3.4	-2.8	3.2	-1.9	-7.1	-5.7	3.8	2.4	-0.1
20th	-6.6	-2.4	4.3	-2.5	8.2	1.9	13.1	-4.5	-1.3	-2.9

D-18

RUN 44   PT 19

V/OR = 0.051	ALFS,U = -2.00	CLRH/S = 0.079790 CTH/S = 0.079811
VKTS = 20.5	MTIP = 0.605	CXRH/S = 0.002010 CP/S = 0.004890

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	194.7		33.3		59		51		59.2	
RMS	72.1		47.8		41.5		101.3		49.8	
1/2 P-P	143.5		111.9		92		183.7		103.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-23.9	65.2	-28.4	16.3	-30	-7.9	-97.9	-20.2	-13.4	-5.4
2nd	9.1	9.3	0.4	-0.1	-2.4	-4.4	-78.7	-19	-52.9	-1
3rd	-28.9	6.6	-28.4	19	-29.7	25.1	-31.6	46.8	-26.6	7.5
4th	-23.9	-18.9	-22.5	-7.2	-22.1	-2.6	14.9	9.2	21.1	-2.6
5th	20.9	-26.7	11.1	-20.6	6.1	-11.5	-7.9	11.9	17.4	-0.9
6th	-5.7	4.9	-5.3	7	-4.2	5.9	4.8	-7.3	1.1	3.2
7th	-25.8	-24.3	-22.2	-13.4	-11.1	-4.9	4.4	-1.2	-15	-1.1
8th	13.7	1.8	9.4	-0.8	2.8	0.9	3.2	0.7	-3.7	-0.3
9th	-2.5	1.6	-1.2	1.3	0.2	1	-0.6	0.1	1.2	-2.1
10th	-13.5	-4	-8.1	-0.3	0.5	0.6	-5.8	0.1	6.8	-1.5
11th	-4.7	-27.4	-7.8	-12.9	-0.4	4.3	-5.3	-7.5	4.8	6.7
12th	-6.1	2	-2.1	1.6	1.3	-0.4	-0.4	0.6	0.2	1.2
13th	-6.9	2.1	-2.6	2.6	1.3	-1.4	0.4	0.4	-2.4	0.4
14th	-0.1	-1.4	-0.3	0.9	-0.2	0.7	0.2	1.2	-0.6	-1.5
15th	7	2.6	2.5	-1.4	-3.2	0.3	-3.6	0.1	3.7	-1.1
16th	-1.3	6.4	1.4	1.6	-0.2	-2.1	-1.2	-3.2	1.9	1.6
17th	-1.9	-1.1	-0.3	0.2	0.8	0.3	0.8	0	0.3	0.7
18th	2.2	-3.2	0.2	-0.8	-0.7	2.1	0	1.5	-0.2	1.3
19th	4.2	-0.4	-0.2	-0.3	-2.3	1.4	0	0.7	-1.7	0.7
20th	-4.4	-0.4	0.1	0.6	2	-1.4	-0.5	-0.2	2.4	-1.1

D-19

RUN 44   PT 19

V/OR = 0.051   ALFS,U = -2.00   CLRH/S = 0.079790   CTH/S = 0.079811
VKTS = 20.5   MTIP = 0.605   CXRH/S = 0.002010   CP/S = 0.004890

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	44		697.7		244.4		1125.8		-171.9	
RMS	337.5		277.3		315.5		287.7		147.6	
1/2 P-P	659.3		631.7		729.6		656.8		279	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-29.4	454.2	40.8	313.7	121.6	285.4	162.3	181.7	7.3	183.3
2nd	24.4	12.9	25.4	-5.6	40.7	-5.5	46	-10.8	70	28.4
3rd	-1.4	-128.4	-36.9	-134.5	-41.8	-167.7	-57.7	-145.7	7.7	-17.8
4th	-24.3	-8.2	-59.3	39.6	-84.1	57.3	-98.9	69	-30.2	-45.5
5th	-10.5	35.1	-24.9	155.9	-40.2	239.4	-29.5	244.8	18.2	11.2
6th	15.3	-23.9	-4.8	-11.3	-15.5	-1.4	-26.5	17.2	3.6	-2.4
7th	2.8	3.3	12.2	17	2.8	16.1	-29.8	-2.3	-4	-0.4
8th	5.4	3.5	-3.3	3	-0.7	1.8	8.3	-0.8	2.4	0.6
9th	-14.7	1.1	-6.5	1.3	1.1	1	10.5	2.4	-2.7	4.3
10th	-4.9	0.2	8	1.1	-0.7	-0.1	-7.8	-0.5	-1.1	-2
11th	20.5	9.1	30.6	22.9	7.4	-4	-20.1	-20.9	5.2	-3
12th	10	-9.3	13.1	-16.6	4	-5.8	-5.5	6.8	-0.6	1.8
13th	-7.4	9.3	-1.9	17	-7.9	17.6	0	-1.7	-1.3	1.3
14th	0.1	-0.3	0.9	0.9	0.3	-0.7	-0.4	3.1	1.6	-8.2
15th	-0.3	1.3	-4.3	1.2	8	-1.4	-1.2	-2.6	-1.8	5.6
16th	-0.6	0.3	-1.3	-7.8	2.4	1.8	1.1	-3.6	-1.6	0
17th	-2.2	0.7	1.7	-1	-0.3	-2.1	1.9	0.6	0.8	-0.2
18th	-1.9	2.3	-0.6	2.3	0.6	-6.8	0	2.8	-0.7	2.5
19th	0.2	1.6	-2.4	2.3	1.5	-3.4	-5.9	2.2	1.2	-0.9
20th	-8.3	9	3.7	-6	0.3	-16.4	9.6	-15.6	0.6	-3.5

D-20

RUN 44   PT 20

V/OR = 0.051   ALFS,U = -2.00   CLRH/S = 0.091090   CTH/S = 0.091121
VKTS = 20.4   MTIP = 0.606   CXRH/S = 0.002482   CP/S = 0.005971

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	223.3		52.6		72.1		65.6		69.7	
RMS	76		46.1		40.4		104.7		50.3	
1/2 P-P	161.3		122.9		99.2		187.4		106.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-13.9	74.6	-23.8	18.2	-28.1	-9.7	-104.7	-28.4	-14	-5.3
2nd	12.6	10.3	2.5	0.1	0.1	-3.8	-81.5	-25.6	-55.6	-6.8
3rd	-29.9	0.6	-27.6	13.1	-28.6	19.6	-22.7	38	-24.6	1.2
4th	-24	-24.5	-23	-12.2	-23	-7.5	13.3	11.2	22	0.7
5th	32.4	-12.1	24.3	-9.6	17.6	-2.4	-18.2	2.7	13.4	3.5
6th	-8	-1.5	-6.8	1.4	-4.2	2	5.2	-3.2	-1.1	3.6
7th	-8.1	-30.5	-11.3	-20.8	-6.7	-8.6	4.3	0.6	-11.8	-6.1
8th	11.8	0.7	7.8	-0.9	2.1	1.1	3.4	1.2	-2.8	-3.8
9th	-2.9	0.6	-2.1	0.1	0	0.4	-1.2	-0.4	2.3	-1.9
10th	-11.6	-5.4	-7.5	-1.7	0.3	0.4	-5	-0.7	6.2	1.1
11th	13.3	-23.1	2.6	-14	-2.5	3.2	0.8	-8.4	-1	8.1
12th	-4.9	2.7	-1.4	1.7	0.8	-0.8	-0.2	0.4	-1.2	-0.1
13th	-6.5	-4.1	-3.6	0.9	1.4	0.9	0.6	1.7	-1.7	-1.8
14th	0.2	-5.3	-1	-0.3	-0.3	2	0.2	2.4	0	-2.6
15th	5.5	14.6	4.5	2.9	-4	-4.6	-5	-5.2	4.9	4.2
16th	-7.6	1.8	-1.2	2.2	3.2	-1	3.1	-2.8	-1.2	2.2
17th	1.1	-1.3	0	-0.4	-0.4	1.5	0	0.9	0.1	0.4
18th	3.5	1.5	1	-0.6	-2.1	0.3	-1.3	0.7	-0.9	-0.2
19th	-0.1	3	0.5	-0.4	-1.4	-1.4	-0.6	0.2	-0.8	-2
20th	1.3	-3	-0.7	0.2	0.2	1.4	0.6	-0.5	-0.2	1.7

D-21

RUN 44   PT 20

V/OR = 0.051   ALFS,U = -2.00   CLRH/S = 0.091090   CTH/S = 0.091121
VKTS = 20.4   MTIP = 0.606   CXRH/S = 0.002482   CP/S = 0.005971

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	62.8		693		222		1096.2		-199.8	
RMS	356.1		286.8		325.8		295.7		166.2	
1/2 P-P	648.9		613		687.7		634.6		314.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-2	486.6	64.6	338.7	153.2	318	197.3	210.2	21.1	206.8
2nd	30.4	17.6	29	-2.2	43.9	-1.7	47.6	-7.8	74.1	36.4
3rd	-16.3	-111.1	-46.6	-118.7	-52.7	-151.5	-67	-134.9	-0.8	-24.1
4th	-20.4	-7.2	-56.1	25.6	-80	34	-97	40	-28.3	-53.2
5th	-32.3	19.4	-61.3	130.9	-86.4	205.4	-61.8	219.3	13.6	24.7
6th	10.1	-18.9	0.1	-3.2	-6	9.6	-17.2	21.8	1.1	2.8
7th	11.4	7.7	7.6	24.3	-3.8	21.6	-27.4	-7.6	-0.6	-2.2
8th	6.1	1.6	-2.3	4.7	0.3	4.3	8.2	1.3	5.7	-1.4
9th	-9.5	7.6	-3.2	4.6	1.2	2.1	4.2	-1.2	-1.6	4.2
10th	0.7	14.9	13.3	12.9	2.2	4.2	-8.9	-9.2	-0.8	-2.4
11th	-1.7	4.6	-4.5	24.9	2.8	-3.7	5	-21.1	4.6	-1.4
12th	-0.7	-14.1	-2.6	-18.8	-4.7	-7.1	0.3	9.1	-2.5	0.8
13th	-4.5	10	3.3	22.7	-6.5	14.7	-2.2	-3.3	0.3	-2
14th	0.1	.0	5.3	3.1	3	-3.9	-2	2.1	6.2	-6.8
15th	-0.8	0.8	-7.8	-2.5	9.8	15.2	0.2	-3.7	-6.8	6
16th	0.5	-0.8	6.2	-10.4	-2.7	-2.2	4.2	-1	1.1	-5.4
17th	-1.6	1.2	-0.2	-0.3	1.5	-4.9	-0.3	0.5	2.4	0.9
18th	-2.5	2.2	-1.7	-1.1	6.8	-5.2	-2.6	-2.1	0.4	0
19th	-0.7	-0.1	-3.6	-0.8	-0.5	2.4	-3.4	-2.9	-0.3	0.8
20th	-7.8	4.7	2.3	-1.3	4.2	-16	5.5	-5.6	4.9	1.2

D-22

RUN 44   PT 21

V/OR = 0.051	ALFS,U = -2.00	CLRH/S = 0.100972	CTH/S = 0.100996
VKTS = 20.4	MTIP = 0.608	CXRH/S = 0.002438	CP/S = 0.007018

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	250.2		70.4		84.2		79		78.4	
RMS	82.8		49		40.7		110.4		51.1	
1/2 P-P	171.7		121.1		102.6		199.5		106	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-16	81.9	-25	19.7	-28.4	-10.5	-108.1	-29.3	-13.2	-5.2
2nd	14.9	14.4	3.8	1.5	1.5	-3.9	-91.1	-32.5	-57.4	-9.8
3rd	-30.4	2.6	-27.9	12.2	-28	16.5	-19.6	32.5	-24.7	-1
4th	-23.5	-25	-23	-13.3	-22.8	-.9	12.3	11.4	21.5	2.2
5th	37.9	-10.7	29.3	-9.6	21.8	-2.1	-21.3	4.1	11.4	4.9
6th	-7.9	-4.2	-6.5	-1.2	-3.6	0.4	3.8	-2	-1.4	3.9
7th	-1.3	-30.4	-6.6	-21.2	-4.7	-8.4	4.2	0.8	-9.9	-7
8th	18.3	2.3	12.6	-0.6	3.7	1.4	4.2	1.2	-0.8	-4.4
9th	-0.5	-1.6	-1.7	-2.4	-0.4	-0.9	-0.3	-1.1	2.2	-1.9
10th	-12.2	-7.7	-8.2	-3.1	0.6	0.6	-5.8	-1.7	6.1	2.7
11th	16.9	-24	4.5	-15.4	-2.5	2.9	1.9	-9.1	-2.3	8.2
12th	-5.8	-0.5	-2.3	0.5	1	0.3	-0.6	0.2	-0.7	-0.4
13th	-7.3	-6.3	-3.8	0.5	1.7	1.9	0.7	2.1	-1.6	-1.7
14th	-0.2	-5.8	-0.6	-0.2	0.2	2.2	0.8	2.6	-0.3	-2.7
15th	1.1	14.5	3.4	4.1	-2.6	-4.7	-3.2	-6	3.3	4.7
16th	-8.9	0.1	-1.8	2	3.1	-0.8	4	-2.3	-1.8	1.8
17th	0.9	-0.7	0.1	-0.1	-0.7	1.3	0	0.4	0.3	0.8
18th	4.5	2.3	1.1	-0.7	-2.4	0.4	-1.8	0.6	-1.1	0.1
19th	-1.3	5.1	0.9	-0.4	-0.9	-3	-0.8	0.3	-0.6	-3.7
20th	2.8	-5.2	-0.8	-0.2	0.5	2.7	0.9	-0.5	0	2.7

D-23

RUN 44   PT 21

V/OR = 0.051   ALFS,U = -2.00   CLRH/S = 0.100972   CTH/S = 0.100996
VKTS = 20.4   MTIP = 0.608   CXRH/S = 0.002438   CP/S = 0.007018

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	91.1		698.8		207.7		1074.8		-220.4	
RMS	372.8		301.2		341.6		306.4		180	
1/2 P-P	635.9		603		686.8		657		334.6	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	24.7	512.6	93.8	358.7	185.2	344.2	230.1	231.6	24.7	222.7
2nd	45.2	19.8	40.7	-4.4	55	-2.6	58.6	-8.4	83.2	47.1
3rd	-20	-86.2	-49.6	-101.6	-58.3	-136.8	-73	-125	-4.9	-16
4th	-23.4	-7.5	-62.7	18.2	-88.8	21.4	-107	25.6	-28	-57.1
5th	-46.4	9.6	-96.6	101.7	-136	159.8	-109.6	168.9	14.3	26
6th	4.4	-14.8	2.8	-3.5	1.4	5.9	-6.5	14.4	-2.4	3.5
7th	14.4	11.2	4.7	24.6	-9	19.6	-28.1	-12.1	-0.9	-2.6
8th	1.1	2.8	-11.9	5.7	-6.3	4.4	10.1	0.8	6.8	-1.3
9th	-8	13.8	-2.8	10	0.8	3.8	3	-5.3	-1.2	4.8
10th	1.7	18.4	15.1	17.5	2.4	5.4	-9.5	-12.5	-0.4	-0.5
11th	-17.4	15.5	-17.6	40.3	-1.6	2.7	13.3	-28.6	3.5	-1.1
12th	-3.7	-10.5	-4.1	-11.8	-6.9	-5.4	0.8	7.1	-1.6	-0.6
13th	-3.7	10.9	7.4	25	-4.8	14.3	-3.5	-3.7	0.1	-3.1
14th	0.7	0.1	7.1	1.5	4.3	-6.8	-1.6	3.1	3.9	-10.5
15th	0	0	-4.9	-1	7.2	20.1	1	-2	-6.6	4.8
16th	0.3	-1	10.4	-13.9	-0.8	-7.5	5.7	-1.5	3.8	-4.2
17th	-1	0.1	-0.5	1.3	1.1	-1.4	-0.3	1	0.9	-1.5
18th	-3.7	2.3	-1	-1	10.7	-5.7	-2	-2.5	0.2	-0.9
19th	-1.3	1.1	-3.3	-3.6	1.1	1.8	-2.8	-7.7	-2.2	0.6
20th	-9.2	2.4	4.3	2.3	9.7	-16.6	9.3	0	3.5	-0.1

D-24

RUN 44   PT 22

V/OR = 0.051   ALFS,U = -2.00   CLRH/S = 0.110573   CTH/S = 0.110613
VKTS = 20.4   MTIP = 0.605   CXRH/S = 0.003071   CP/S = 0.008269

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	275.7		88.7		97.1		90.4		87.1	
RMS	89.2		50.9		39.8		114.1		51.1	
1/2 P-P	178.1		123.3		95.8		204.4		105.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-7.7	89.2	-20.7	21.3	-25.2	-11.4	-111.1	-31.8	-12.3	-7.1
2nd	16.8	16.4	4.6	1.8	1.8	-3.7	-93.1	-41	-57.5	-14.3
3rd	-30.3	2.5	-27.3	10.6	-27.6	14.3	-17.4	27.3	-24.4	-3.4
4th	-17.6	-27.2	-17.7	-16.8	-16.9	-12.1	7.7	13.3	18.5	4.8
5th	45.3	-10.5	35.6	-11.2	27.1	-4.3	-26.2	6.4	9	7.1
6th	-4.1	-7.2	-2.9	-5	-0.3	-2.9	0.9	1.2	-0.3	3.4
7th	5.2	-32.2	-1.8	-23.1	-2	-9.2	4	1	-8	-8.7
8th	20.3	0.8	13.9	-2.1	4.7	1.1	4.3	0.7	0.2	-4.5
9th	1.1	0.5	-0.3	-1.4	-1	-1	0.9	-0.1	1.9	-1.5
10th	-9.4	-11.3	-7.4	-5.6	-0.2	0.8	-5.5	-3.5	5.1	4.2
11th	25.7	-27.9	8	-19.2	-3.7	2.9	3.9	-11.7	-4.4	9.6
12th	-3.5	-4.2	-2.3	-1.6	0.8	0.7	-1.1	-0.5	-0.3	-0.1
13th	-5.5	-8.4	-3.5	-1	1.7	2.6	0.6	2	-1.5	-1.9
14th	-0.5	-5.6	-0.2	-0.7	0.8	2.1	1	2.1	-0.3	-2.6
15th	-3.6	9.5	1	3.8	0.2	-3	-0.1	-4.7	0.9	4.3
16th	-7.6	-3.9	-2.1	1.4	3.7	1.3	4.5	-0.5	-2.2	1.4
17th	1	1.2	0.1	0.4	-0.9	0.4	-0.2	-0.6	-0.7	1.2
18th	0.9	4.9	0.9	0.3	-2	-1.7	-1.5	-1.1	-0.9	-1.8
19th	-2.3	0.9	0.5	-0.2	0.5	-1.3	-0.5	-0.3	1.8	-1.4
20th	2.4	2.3	-0.7	-0.7	-1.6	-0.6	0.8	0.3	-1.5	-0.5

D-25

RUN 44   PT 22

V/OR = 0.051   ALFS,U = -2.00   CLRH/S = 0.110573   CTH/S = 0.110613
VKTS = 20.4   MTIP = 0.605   CXRH/S = 0.003071   CP/S = 0.008269

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	121.7		705.7		201.8		1056.6		-239.7	
RMS	389.3		322.2		370.1		330.6		194.8	
1/2 P-P	677		675.5		748.9		725.1		368	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	21.3	536.6	91.7	378.6	188.7	369.4	240.5	251.7	29	242.8
2nd	47.3	25.2	42.1	-2.1	56.9	0	60.3	-6.7	88.6	57.1
3rd	-21.3	-65.5	-49.9	-85.3	-61.4	-120.6	-75.2	-113.9	-5	-12.1
4th	-24.7	-2.6	-58.6	17.3	-82.9	18.3	-97.8	16.9	-15.2	-58.1
5th	-69	7.8	-150.3	101.8	-212.9	156.1	-184.7	162.9	15.8	24.8
6th	0.3	-7.5	8.1	1.8	10.4	9.9	8.7	11.1	-7.9	4.3
7th	14.4	9.6	5.4	26.4	-6.6	20.4	-19.7	-13	-2.6	-4
8th	-1.8	-1.3	-16	4.7	-9.5	4	10.4	2	6.2	0.6
9th	-8.8	9.4	-6.5	5.6	-2.2	2.3	2.3	-3.9	-1	5
10th	4.5	19.5	15.4	20.4	2.4	4.6	-10.3	-17.1	0.5	0.4
11th	-26.3	20.6	-30.5	52.8	-3.2	6.2	21.9	-36.2	5.6	0.9
12th	-8.3	-14.2	-11	-9.7	-10.2	-6.6	3.7	6.3	-2.9	-1.6
13th	-4.1	7.5	5.5	21.5	-4.6	9.1	-2.1	-3.7	-1.1	-5.3
14th	-0.1	0.2	7.1	1.1	4.1	-6.1	-1	0.9	0.3	-7.1
15th	0	0.1	-1.7	3.2	-0.6	20.1	1.5	-1.6	-5.2	2.2
16th	0.1	-1	15	-12.7	3	-13.7	6.4	-0.5	6.8	-6
17th	0.6	-2.1	-2	0.4	0.8	3.3	-1.5	1.1	1.2	-0.7
18th	-1.8	-0.5	1.3	-3.2	10.2	2.5	-0.6	-3.9	-1.4	-0.8
19th	-2.9	1	0	-2.2	-0.5	-2.1	2.7	-6	-1	-1.8
20th	1.1	3.7	-3	-1.1	-2.6	-5	-8.8	-5.1	1.3	1

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RUN 44   PT 23

V/OR = 0.051   ALFS,U = -2.00   CLRH/S = 0.119888   CTH/S = 0.119939
VKTS = 20.4   MTIP = 0.606   CXRH/S = 0.003537   CP/S = 0.009823

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	305.6		108.8		109.2		95.8		94.7	
RMS	93.8		49.9		37.7		113.3		48.4	
1/2 P-P	184.7		127.4		101.4		200.5		104.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	1.7	96.1	-16.3	22.5	-22.5	-12.1	-110.4	-31.8	-12.7	-7.5
2nd	24.2	22.8	8.8	3.7	5	-2.7	-92.6	-45.8	-53.3	-14.6
3rd	-25	8.7	-25.1	12.6	-27.3	14	-15.3	22.5	-22.3	-5.3
4th	-13.9	-19.5	-14.4	-14.2	-13.9	-11.6	2.8	11.8	18.3	1.7
5th	44.7	-9.9	32.7	-10.8	22.7	-5.4	-21.4	6.8	8.2	6.1
6th	-12.9	-1.9	-7.1	1.2	-1.9	1.9	1.5	-1.9	-3.3	4.6
7th	11.7	-28.9	4.2	-21.1	1.5	-7.5	3	-0.3	-6.5	-6.3
8th	16.6	15	14.7	8.1	5.8	4.3	2.9	3.1	3.1	-1.5
9th	2.5	2.8	1.5	-0.8	-0.9	-1.1	1.3	1	3.6	-3
10th	-5.3	-10.5	-4.8	-6	-0.1	0.4	-3.6	-3.5	2.7	3.3
11th	32.9	-21.6	13.5	-18	-4	1.2	6.9	-11.4	-7.6	9
12th	-7	-3.5	-3.9	-1.2	1.3	0	-1.4	-0.8	0	0.8
13th	-2.1	-9.1	-2.7	-3.1	0.7	2.1	-0.5	0.9	-0.4	-1.4
14th	0.3	-3.6	0.1	-1.5	0.4	0.9	0.3	0.6	1	-1.2
15th	-9.1	5.6	-0.8	3.7	2.8	-2.9	2.5	-4.2	-0.9	4
16th	-2.4	-8.1	-1.6	-1	2.2	3.1	3	2.8	-2.1	-1.4
17th	1.8	0.2	0.6	-0.2	-0.4	0.5	-0.8	0.1	-1.1	-0.6
18th	-0.3	4.7	0.7	0.4	-0.8	-2.1	-0.9	-1.3	-0.9	-1.3
19th	-5	-1.4	0.4	0.3	2.8	-1.3	0	-0.6	3.4	-0.1
20th	4.7	4.8	-0.1	-0.7	-3.2	-1.5	1.1	1	-2.7	-1.3

RUN 44   PT 23

V/OR = 0.051   ALFS,U = -2.00   CLRH/S = 0.119888   CTH/S = 0.119939
VKTS = 20.4   MTIP = 0.606   CXRH/S = 0.003537   CP/S = 0.009823

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	178.6		739.4		222.2		1069.4		-266.1	
RMS	414.3		360		421.1		381.6		221.9	
1/2 P-P	753.2		788.2		900.7		869		395.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	53.3	563.8	114.8	396.9	210.8	390	259.9	261.1	53.2	275.3
2nd	62.2	37.1	45.9	4.9	56.2	6.1	54	-4.7	105.3	72.3
3rd	-1.7	-28.6	-36	-55	-49.8	-90	-67.6	-87.9	0.9	-6
4th	-44.7	22.9	-75.5	47.9	-99.6	57.3	-108.4	53.1	-6.9	-35.5
5th	-93.7	4.6	-225	97.3	-320.2	142.4	-304.3	149.5	30.3	9.6
6th	-13.2	-3.8	18.3	1.8	32.1	4	36.4	10.1	-18.6	-8.1
7th	17.1	10.5	7.4	24.1	-4.3	15.7	-10.6	-16.1	-11.2	-6.1
8th	-8.5	-6.7	-20.7	-11.6	-12.7	-8.5	11.2	3.6	0.8	9.3
9th	-11.3	8.5	-11.8	4.9	-7.3	2.3	0.5	-3.5	2.6	5.7
10th	2.7	20.6	10.7	22.3	2.1	5.5	-7	-18.6	1.8	3.6
11th	-49.7	31.3	-55.5	64.2	-10.6	14	39.6	-41.1	2.8	3.2
12th	-0.5	-9.9	0.8	-9	-6.1	-4.3	-2.7	6.2	-0.8	-1.4
13th	-2.2	-6.6	-3.5	0.1	-7.5	-7.8	-1.4	0.9	1.4	-2.7
14th	-1	0.4	4.1	-0.1	3.4	-5.4	0.2	-0.5	-2.4	-1.2
15th	-2.9	1.1	1.1	1.4	-6.7	15.5	4.3	-2.4	-5.7	0.4
16th	-0.4	0.2	5.1	-4.8	-3.6	-15.9	2.7	1.1	3.3	-4.4
17th	-0.2	-2.2	-0.5	0.6	3.7	1.1	-1.5	1.4	-1.4	0.7
18th	1.9	-0.5	-3.2	-3.1	-0.8	5.6	-4	-3.6	-1.6	1.6
19th	-4.5	1.1	3.3	-3.2	-0.9	-4	8.7	-6.2	-3.2	-3.1
20th	-2.4	0.3	-2	-0.6	10.3	-2.1	-6.3	-4.9	-0.6	2.5

RUN 48   PT 32

V/OR = 0.081	ALFS,U = 0.00	CLRH/S = 0.037936	CTH/S = 0.037936
VKTS = 32.4	MTIP = 0.605	CXRH/S = -0.000300	CP/S = 0.001677

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	98.9		-36.8		-23.2		-47.4		-4.2	
RMS	40		35		32.2		49.6		18.8	
1/2 P-P	107.2		92.4		77.4		107.6		51.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-16.4	12	-19.3	-2.3	-15.8	-10.5	-7.1	-21.7	-1	-6.6
2nd	-9.8	-4.4	-19.9	-2	-25.6	-0.3	-44.5	6.7	-17.1	4
3rd	-12.1	12.2	-12.5	15.8	-12.6	20.4	-22.2	39.8	-3.3	7
4th	-19.6	-3	-16.4	2.2	-13.7	5.3	4.8	0.9	7.7	-2.6
5th	-5	-14.1	-5.6	-12.4	-3.4	-9.7	5	5.6	2.1	0.4
6th	-3.7	8.2	-2.6	6.9	-2.1	4.5	2.5	-5.4	-1	0.6
7th	-17.9	15.7	-11.2	14	-6	6.9	0.8	-2.3	-5.3	5.8
8th	-1.8	-0.4	-1	0	-1	-0.1	0.3	-0.1	-0.4	2.4
9th	-2.2	11.2	1.4	8.4	1.6	2.2	-0.7	4.3	2	-0.8
10th	-3.4	9.8	-0.7	6.2	-0.3	0.3	-0.4	4.3	0.8	-4.8
11th	30	-3.7	14.8	-7.3	-3.8	0.6	9.1	-5.6	-8	3
12th	2.9	10.3	3.1	3.9	-0.7	-2.8	1.1	-0.2	-0.9	2.4
13th	0.2	-0.7	-0.3	-0.6	0.4	-0.3	0	-0.8	1	2.2
14th	0.4	-7.5	-1.8	-2.4	0.3	2.6	0.6	1.9	-0.6	-3.8
15th	-0.2	-4.3	-1	-1.8	0.5	1.5	0.9	1.1	-2.2	-2.6
16th	-5	-3.2	-1.7	0.2	2.7	0.4	3.2	0.3	-2.5	0.6
17th	-1.9	-2.7	-0.4	-0.2	1.5	0.4	1.4	0.8	0.9	0.5
18th	0.3	0.3	0.2	-0.1	0.1	-0.4	-0.3	0	1	-0.8
19th	0.8	2.9	0.4	-0.1	-1.2	-1	-0.8	-0.4	-1.4	-2.1
20th	-0.1	1.3	0.1	-0.3	-0.7	-0.5	-0.1	0.2	-0.6	-0.5

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RUN 48   PT 32

V/OR = 0.081   ALFS,U = 0.00   CLRH/S = 0.037936   CTH/S = 0.037936
VKTS = 32.4   MTIP = 0.605   CXRH/S = -0.000300   CP/S = 0.001677

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-50.7		678.6		310.2		1208.1		-44.9	
RMS	108.6		90.6		108.6		102.8		75.1	
1/2 P-P	199.4		182.3		215.1		236.7		143.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-67.8	121.4	-32.2	86.3	-2.8	87.2	-8.6	56.8	-10.5	96.7
2nd	42.6	-13	53.1	-17.9	92.8	-27.7	85.7	-28	30.2	-10.5
3rd	18.4	-28.6	11.3	-35.5	13.7	-59.7	1.6	-52.8	5.9	-1.8
4th	4.1	-0.6	0.4	23.3	-2.3	27.7	-16.9	35.7	-18.4	-13.4
5th	8.6	-2.2	6.5	-18.5	6.5	-35.3	0.1	-51	4.7	1.8
6th	2.6	-3.7	-5	-4.1	-9.5	-4	-14.9	4.8	1.7	2.1
7th	17.8	-13.9	13.9	-13.2	3.5	1.1	-19.1	29.6	-1.6	3.1
8th	2.4	-2	2.7	-1.6	1.8	-2.2	-0.1	0.2	0.3	-1
9th	-15.8	2.7	-8.8	-5.1	0.7	-5	13.7	1.9	-0.2	1.3
10th	2.5	-0.2	2.6	-7.5	1.2	-0.3	-3.3	6.5	0.2	2.7
11th	-10.6	-6.6	-33.9	7.8	0	-2	23	-5.7	1.2	0
12th	0.1	-5.5	-7.7	-13.7	0.6	0.5	4.6	5.7	0.4	4.2
13th	-1.8	-5.6	-6.9	-10.2	-5.4	-7.4	1.9	1.1	0	2.8
14th	0.9	-1.3	1.3	1.1	-2.5	-8.7	-1.3	0.1	4.6	-3.1
15th	-0.7	-1.2	2.2	1.5	-0.8	-4.5	0.4	0.3	0.5	2.6
16th	0.1	-0.6	3.1	-0.4	-7	-0.5	2.7	1.4	1.2	-3.9
17th	0.3	0.3	3.1	0.5	-2.2	-1.8	2.6	-0.2	-1.9	-2.8
18th	0.4	1.5	-0.7	-1.4	-0.9	-3	-0.7	-2.7	0.3	-0.1
19th	-2.9	-0.7	-0.4	-1.3	6	0.4	0.2	-3	-1.5	-0.7
20th	-4.9	0	0.9	-0.6	7.6	-2.7	4.7	-3.3	1.2	0.7

RUN 48   PT 33

V/OR = 0.081	ALFS,U = 0.00	CLRH/S = 0.050123
VKTS = 32.4	MTIP = 0.608	CXRH/S = -0.000386

CTH/S = 0.050123	
CP/S = 0.002168	

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	124.9		-21.4		-13.3		-42.6		1.1	
RMS	67.1		54.1		46.7		71.9		27.6	
1/2 P-P	188.4		154.5		110.3		152.5		72.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-26.1	29.7	-25.6	4.5	-20.8	-7.8	-27.4	-25.1	-8.2	-7.6
2nd	-5.4	-2	-18.3	-3.4	-24.1	-3.5	-51.3	2.8	-21.3	3.4
3rd	-21	22.3	-22	30.3	-23.9	37.3	-36.3	63.7	-4.9	10.5
4th	-28.6	-6.1	-25	2.9	-22.1	7.6	11.8	2.2	12.4	-3.1
5th	0.2	-18.5	-3.2	-17.5	-1.8	-15.1	4.4	9.6	3.7	0.6
6th	-17.1	16.1	-10.3	16.1	-5.5	11.4	4.8	-10.8	-2.5	0.9
7th	-32.9	7	-23.5	10.9	-12.1	7.7	2.9	-4.5	-11.2	7.6
8th	12.5	14.6	10.7	8.2	4	2.4	1.1	1.9	2.3	6.4
9th	-8.1	19.7	-1.3	15.4	0.4	3.9	-3.3	8.4	3.6	-3.3
10th	-9.6	7.2	-4.6	5.6	-0.9	0.4	-2.2	3.5	2.6	-6.8
11th	53.7	-3.9	27.5	-11.9	-5.6	-0.1	16.8	-8.9	-13.9	6
12th	-3.4	15.4	0.8	6.7	0.6	-3.9	0	1.5	-0.3	3
13th	-2.8	-2.8	-1.7	-0.5	1.4	0.9	-0.1	-0.2	0.1	1.9
14th	9.3	-8.9	0.2	-3.3	-3.1	4.4	-2.1	3.2	2	-5.8
15th	9.7	0.9	3.2	-1.4	-3.3	1	-3.4	1.5	3	-3.6
16th	-0.7	-5.5	-0.3	-1	1.5	2.6	1.6	2.8	-0.7	-1.3
17th	2.8	-3.2	0.1	-0.6	0	1.7	-0.6	1.9	0.5	1.2
18th	1.9	1.2	0.4	-0.1	-0.4	-0.1	-0.6	-0.3	-0.4	0.4
19th	-4.3	2	0.4	0.3	1.9	-1.8	0.6	-0.6	1.8	-2.5
20th	2.8	0.2	-0.2	0.1	-1.7	1.2	0.6	0	-1	0.3

RUN 48   PT 33

V/OR = 0.081   ALFS,U = 0.00   CLRH/S = 0.050123   CTH/S = 0.050123
VKTS = 32.4   MTIP = 0.608   CXRH/S =-0.000386   CP/S = 0.002168

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-6.7		706.6		317.6		1230		-74.8	
RMS	273.2		211.9		205.9		179.4		107	
1/2 P-P	495.2		501.4		474.2		363		197.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-175.5	317	-100	223.3	-40.9	193.5	-18.7	117.3	-10.5	136
2nd	56.1	-7.7	66.8	-17.9	108.8	-22.4	101.9	-21.8	44.8	-4.2
3rd	75.9	-66	52.8	-80.9	53	-121.2	22.9	-104.7	5.3	-4.2
4th	2.9	4.9	-7.2	54	-14.8	72.4	-33.9	85.7	-25.7	-23.2
5th	-10.4	12.4	-55.4	19.7	-88.3	21.8	-102.2	4.1	13.1	10.4
6th	-10.6	-15.2	2.2	-9.2	9.6	-5.5	6.8	20.7	-11.7	-7.1
7th	18.6	-41.9	25.3	-12.9	17.8	20.5	-19	60.7	-7.2	3.9
8th	-0.1	-4.6	-8.6	-12.1	-3.7	-6.9	8.5	2.8	8.1	3.7
9th	-11.1	9.1	-2.4	-9.2	3.1	-7.5	11	6.9	1.2	0.3
10th	1.2	7.2	7.4	-0.7	2.9	1.5	-5.8	2.7	0.2	-1.9
11th	-44.9	-12.2	-83.9	15.8	-12.1	0.1	57.9	-10	2.9	6.3
12th	-9.2	-2.6	-12.2	-12.4	-6.3	5	6.2	4.7	-0.5	3
13th	3	3.4	9.5	4.9	3.1	1.2	-3.6	-3.2	-2.6	0.2
14th	1.8	-1.8	-4.3	6.6	3.1	-8.7	-3	1.3	18	-4.9
15th	-0.4	-1	-0.4	3.2	15.7	-1.5	0.6	-0.2	0.6	0.5
16th	0	-0.5	4.6	5.1	1.1	-2.4	3.3	3.3	0.5	-6.1
17th	1.1	1.4	-1.9	2.8	-2.2	-5.4	-1.5	1.9	-0.8	-0.5
18th	0	-2.8	-0.6	2.7	3.1	5.4	-1.2	0.7	-1.2	-0.3
19th	-4.4	-0.2	3.9	-3.8	4.5	0.7	7.3	-6.1	-2.2	0.5
20th	5.4	-6.4	-1	3.3	1.1	11.1	-4.8	11.4	1.2	0.3

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RUN 48   PT 34

V/OR = 0.081	ALFS,U = 0.00	CLRH/S = 0.059503	CTH/S = 0.059503
VKTS = 32.5	MTIP = 0.605	CXRH/S = -0.000493	CP/S = 0.002642

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	144.5		-7.4		-6.4		-38.1		6.1	
RMS	83.9		66.9		57.5		89.7		34.9	
1/2 P-P	222.9		179.8		131.5		183.4		94.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-25.1	37	-27.3	6.4	-24.7	-8.5	-40.5	-28.1	-12	-9.8
2nd	-3.6	0	-16.3	-3.8	-24.2	-5.8	-58	0.1	-25.2	2.4
3rd	-29.9	25.5	-29.5	37.8	-31.9	48.3	-46.5	81.6	-7.9	14.1
4th	-37.8	-14	-33.6	-1.8	-30.6	4.8	19.2	6	16.2	-1.4
5th	0.7	-21.9	-4	-17.9	-1.9	-13	5.1	7.4	7.9	-2.1
6th	-22.5	19.3	-15.6	18.6	-9.2	12.6	7.5	-12.5	-3.1	0.6
7th	-51.2	1.4	-36.6	9.2	-17.7	6.1	4.9	-6.8	-17.7	8.6
8th	17.6	21.6	15.8	11.6	6.4	3.2	2.6	3.4	2.8	8.5
9th	-12.8	23.8	-4.3	19.7	0.2	6.4	-5.5	10.6	4.6	-4.2
10th	-15.5	2.4	-8.7	4.8	-0.6	0.6	-5.4	2.2	5.5	-7.3
11th	59.5	2.8	31.7	-9.2	-5.8	-1.4	19.3	-7.9	-14.9	4.8
12th	-12.5	17.2	-1.8	9.1	2.8	-4.2	0.2	2.8	-0.5	3.4
13th	-3	-3.4	-1.8	-0.3	1.1	1.2	0	0.3	-1	2.2
14th	11.7	-9.3	1.4	-3.9	-3.5	4.7	-2.8	3.5	2.2	-6.8
15th	10.5	2.7	4	-1.6	-3.9	0.5	-4.2	1	4.2	-4
16th	-2.5	-4.2	-1.1	-0.1	1.6	1.8	2.4	2	-0.5	-0.9
17th	3.7	-3.4	0.5	-0.5	-0.8	2	-1.5	2	0.8	1.7
18th	0.8	1.4	0.5	0.2	-0.2	-0.9	-0.5	-0.5	-0.6	0.8
19th	-3	2.4	0.1	0.6	1.1	-1.8	1	-0.8	0.8	-2.3
20th	1.3	4.5	-0.3	0.4	-1.6	-1.7	0.4	0.7	-1.9	-2.5

RUN 48   PT 34

V/OR = 0.081   ALFS,U = 0.00   CLRH/S = 0.059503   CTH/S = 0.059503
VKTS = 32.5   MTIP = 0.605   CXRH/S = -0.000493   CP/S = 0.002642

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	16.1		709.1		320.1		1221.7		-95.6	
RMS	303.9		256.7		276.5		244.5		120.9	
1/2 P-P	610.4		640		660.6		516.2		216.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-104.6	381.8	-39.8	267.5	17.2	231.2	29.2	138.7	-0.5	151.8
2nd	47.6	1.4	63.3	-14.5	112.3	-17.6	110	-18.3	49.5	2.6
3rd	46.3	-136.7	14.8	-144.8	16.6	-197.6	-12.8	-168.9	5.7	-11.6
4th	-10.2	4.6	-24.8	76.8	-36.9	107.8	-60	122.8	-30.6	-35.8
5th	-8.3	29.5	-29.3	111.1	-52.1	166.2	-60	163.4	15.3	12.1
6th	5.8	-6.3	-0.2	-11.1	-10.2	-15.6	-26.1	9.8	-11.8	-4.9
7th	-5.8	-28.1	27	-6.4	27	17.7	-15.8	42.6	-12.2	4.9
8th	-7.3	4.9	-13.4	-10.6	-4.2	-9.9	16.9	-0.1	9	5.3
9th	-10.8	-8	0.1	-22.2	5.9	-9.4	11.5	21.6	2.7	0.1
10th	6.3	-8.5	15.2	-11.6	3.4	-2	-13.5	6.9	-0.3	-6.8
11th	-52.4	-9.9	-95.6	15.5	-14	1.4	66.8	-9.4	4.4	5.5
12th	21.6	7.5	32.3	-16.5	12.7	6.5	-12.2	5.2	-8.8	1.6
13th	6.5	6.2	14.5	9.3	5	4.8	-5.6	-4	2.2	-0.7
14th	3.8	-2.8	1.7	-0.8	12.6	-17.3	-2.8	3.1	17.2	-8
15th	-0.2	0.4	-5.8	5.3	11.7	2.5	-0.8	-1.2	-7	3.6
16th	1.4	1	3.6	1.3	-3.4	-3.5	1.4	3	7.3	-4.4
17th	-0.6	0.2	-3.2	2	0	-6.8	-1.3	2.5	-0.3	-3.9
18th	0.3	1.7	-0.9	-1.5	0.2	-1.9	-1.6	-3.1	-1.7	0
19th	6.4	-1	-2.3	-0.3	-9.4	10.3	-2.6	0.1	0.9	-1.2
20th	13.3	-4.2	-5.8	1.6	-10.9	19.7	-15.1	7.1	1.6	2.6

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RUN 48   PT 35

V/OR = 0.081   ALFS,U = 0.00   CLRH/S = 0.069915   CTH/S = 0.069915
VKTS = 32.5   MTIP = 0.607   CXRH/S = -0.000650   CP/S = 0.003280

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	169.2		8.5		4.4		-32.2		13.5	
RMS	94.9		76.9		68		107.8		42.3	
1/2 P-P	262.1		214.3		157.2		207		110.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-17.4	44.6	-26.6	7.8	-27.5	-10.2	-52.4	-31.3	-15.5	-12.3
2nd	3.1	1.6	-11.9	-4.2	-19.8	-8	-69.5	-5.3	-30.8	0.6
3rd	-39.4	28.4	-39.1	44.1	-41.2	57.5	-58.1	95.1	-13.2	17.6
4th	-49.5	-20.6	-44.8	-4.4	-40.5	2.2	30	9.7	20.2	0.5
5th	10.1	-24	3.4	-15.7	4.1	-6.2	-1.2	3.2	11.9	-6.5
6th	-28.3	13.9	-22.4	18	-15.1	14.9	11.2	-16.1	-2.4	-1.3
7th	-56.3	-12.4	-43.3	0.5	-21	2.2	8.2	-8.7	-22.4	7.9
8th	21.7	37.1	19.8	22.5	7.8	8.5	4.1	6.6	1.8	12.4
9th	-18.1	17.5	-8.2	17.6	-0.3	6.5	-8.3	10.3	4.9	-5.1
10th	-19.1	-6.7	-11.7	1.1	1	1.7	-8.4	-1.1	8.2	-6.1
11th	49.4	25.9	29.7	4.3	-5.6	-3.8	18.6	-0.4	-12.1	-0.5
12th	-15.5	15.7	-2.8	9.3	4.2	-4.1	2	3.3	-1.5	3.4
13th	-0.5	-5.1	-1.1	-0.4	0.4	2.2	0.1	1.9	-3.2	1.2
14th	12.4	-8.4	1.6	-2.5	-3.9	4.9	-3.7	3.9	2.6	-7.2
15th	6.8	2.6	2	-1.1	-2.8	-0.4	-1.9	0.2	3.8	-3.1
16th	-4.9	-4.7	-2.1	-0.1	2.7	1.3	4.1	1.4	-1.4	-0.1
17th	0.6	-2.6	-0.5	0	0	0.9	0.3	1.2	0.4	1.7
18th	2.1	2.2	1.7	-0.2	-1	-1	-1.2	-1.1	0.2	-0.2
19th	-0.2	2.1	0.1	0.2	-0.3	-1.2	0.4	-0.3	-0.8	-1.5
20th	0.3	1.2	-0.3	-0.3	-0.3	-0.9	-0.3	0.9	-0.5	-0.3

RUN 48   PT 35

V/OR = 0.081   ALFS,U = 0.00   CLRH/S = 0.069915   CTH/S = 0.069915
VKTS = 32.5   MTIP = 0.607   CXRH/S = -0.000650   CP/S = 0.003280

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	26.6		707.4		311.5		1218		-123	
RMS	327.3		311.7		373.7		360.5		138	
1/2 P-P	734.3		777.5		824.6		734.6		271.6	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-2.6	405.7	43.4	280	100.1	247.4	96.6	146.8	16.2	164.9
2nd	58.9	20.3	75	-3.1	126.5	-6.4	127.3	-8.6	60	10.9
3rd	29.7	-188.8	-13.2	-193	-15.3	-256.5	-48.6	-223.5	6.1	-21.9
4th	-13.1	10.1	-36.6	104.7	-54.5	153.4	-88.5	173.9	-40.1	-52.6
5th	-8	40.8	1	199.2	-5	305.9	3.7	326.1	19.7	16.8
6th	21.3	-33.2	-0.4	-1.1	-19.8	20.6	-51	58.4	-7.8	-6.6
7th	6.5	-24.1	32.8	9.1	21.3	35.3	-35.1	49.4	-8.4	2.7
8th	9	0.5	-6.8	-23.1	0.3	-15.5	18.4	14.6	10.8	10.7
9th	-5.6	-9.1	9.3	-21.5	10.9	-10.3	8.7	16.5	1.6	-2.5
10th	-14	-10.9	6.5	-4.5	0.7	-2.8	-2.5	6	1.5	-11
11th	-18.2	-53.8	-74	-50	-5.1	-13.8	52.1	30.6	5.4	9.6
12th	46.3	-21.2	51.2	-57.2	19.7	-16.9	-19.9	20.2	-9.2	1.4
13th	-0.1	26.4	12.7	45.6	4.4	27.6	-4.4	-11.4	1.2	1.3
14th	3.8	-2.6	0	5	11.8	-9.7	-3.5	3.5	18.6	-12.2
15th	0.4	0.6	-4.8	10.3	6.5	10.7	0	0	0.5	6.9
16th	2.1	0.3	13.1	1.5	2.9	-1.4	4.2	3.2	6.5	-1.6
17th	-1.7	0.1	3.4	1.8	2.6	-1.8	0.8	1.4	6.8	-1.9
18th	-2.2	-0.6	-2.5	1.2	3.8	1.6	-0.8	-0.1	-6.8	-3.4
19th	-1.3	0.1	0.3	-3.2	3	-1.7	1.1	-3.8	-1	1.2
20th	-11.5	-8.6	4.5	0	21.3	1.8	14.6	0.2	2.2	1.1

RUN 48   PT 36

V/OR = 0.081
VKTS = 32.5

ALFS,U = 0.00
MTIP = 0.605

CLRH/S = 0.074841
CXRH/S = -0.000695

CTH/S = 0.074841
CP/S = 0.003634

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	180.2		16.5		9.9		-28.7		17.7	
RMS	100.3		81.2		72.2		114.5		45.5	
1/2 P-P	279.7		213.9		166.2		219.8		116.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-12.3	48.4	-25.2	8.6	-28.9	-10.9	-56.7	-32.6	-16.3	-12.3
2nd	6.6	0.7	-10.1	-5.2	-17.6	-9	-74.8	-7.6	-34	0.4
3rd	-43.9	29.2	-43.4	46.9	-46.4	59.8	-63.6	97.5	-16.5	18.2
4th	-51.4	-22.8	-46.8	-4.6	-43.6	2	32.7	11.4	21.6	-0.1
5th	15.4	-24.2	8.7	-15.3	8	-3.6	-6.3	1.3	13.6	-8.3
6th	-30.1	13.1	-24	18.4	-16	15.8	11.5	-18.4	-2.2	-1.4
7th	-54.3	-18.2	-43.3	-3.6	-22	0.5	9.5	-8.5	-23.6	7.9
8th	28	41.2	24.8	25.1	8.9	9.6	5	7.9	1.6	13
9th	-20.3	16.4	-9.3	17.5	0	6.8	-8.6	10.2	4.6	-5.5
10th	-21.7	-10.6	-13.8	-1	1.1	1.5	-10	-2.6	10	-5.2
11th	55.5	18.2	31.6	-0.5	-6	-3.3	19.6	-3.3	-11.8	2
12th	-15.9	11.3	-3.7	7.5	4.1	-3.4	2.2	2.8	-2.1	3.7
13th	-1.7	-7.6	-1.6	-1.1	0.9	2.8	0.3	2.3	-4.5	0.9
14th	9.8	-9	1.5	-2.3	-2.3	5	-2.4	4.2	1.6	-7.5
15th	5.4	8.8	2.6	0.8	-2.8	-3.2	-2.6	-3	4.5	-0.3
16th	-8.3	-3.6	-2.6	0.7	4.3	0.5	4.7	0.1	-0.9	0.9
17th	-0.3	-0.9	-0.5	-0.3	0	0.3	0.1	0.7	0.6	1.6
18th	2.8	3.1	2.3	-0.7	-1.8	-0.9	-2.3	-0.7	-0.8	-0.8
19th	0.8	0.7	0.6	0.1	-0.1	0.1	-0.3	0.3	-1.2	-0.4
20th	2	-1.2	-0.5	-0.2	-0.5	1.2	0.2	0.5	-0.1	1.4

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RUN 48   PT 36

| | V/OR = 0.081 | ALFS,U = 0.00 | CLRH/S = 0.074841 | CTH/S = 0.074841 |
| | VKTS = 32.5 | MTIP = 0.605 | CXRH/S =-0.000695 | CP/S = 0.003634 |

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	30.5		702.5		299.4		1205.1		-135.1	
RMS	339.9		333.8		407.4		397.6		145.6	
1/2 P-P	765.2		812.6		866.6		821.8		300.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	36.9	413.5	73.7	283.8	130.5	254.3	123.2	151.2	21.6	172.1
2nd	68.2	19.5	84.2	-5.3	132	-7.6	134.7	-8.6	68.4	13.8
3rd	24.3	-207.1	-23.7	-215	-26.6	-280.7	-62.1	-246.5	4.7	-26
4th	-13.1	14.8	-45.4	115.5	-67.8	169.6	-102.6	191.5	-42.2	-56.2
5th	-10	40.9	8.4	217.6	9.6	334.8	27.8	357.3	18.5	19.8
6th	17.2	-41.8	-3.1	0.5	-21.3	28.1	-54.2	67.5	-7.6	-6.5
7th	11.7	-25.4	32.2	15.5	18	45.1	-42.1	56.6	-5.2	2.7
8th	10.4	-1.9	-10.1	-25.1	1.5	-15.7	24.2	18.4	12.7	10.5
9th	-1.1	-6.4	14.5	-19.9	12.8	-11	7.4	14.4	3.1	-4
10th	-9.7	-2.7	13.9	2.9	3.4	-0.9	-6.5	0.8	1.7	-11.3
11th	-29.2	-55.8	-85.3	-42.2	-7.2	-15	59.9	24.6	6.6	9.4
12th	39.9	-22.9	44.3	-54	14.7	-18.6	-17.6	19.1	-8.6	-1.3
13th	5.2	28.4	23.3	46.8	10.3	25.9	-8.1	-12.7	-0.4	0.9
14th	3.7	-3	3.8	4.3	11	-10.6	-2.3	4.4	11.7	-13.8
15th	-0.2	0.6	-6.3	6.3	7.3	16.7	0.3	-1.6	-1	8.6
16th	1.9	-0.1	13	-1.3	-1.3	0.4	5.7	2	6.6	0.4
17th	-2.3	2.6	2.5	0.7	2.4	-2.8	0.3	-0.9	3.8	0.4
18th	-1.9	0.9	-3.5	3.1	4.7	2.4	-1.2	-0.2	-6.2	-0.5
19th	-5	0.1	0.6	-1.2	6.3	-4.2	3.4	-1.1	-1.1	-1.4
20th	-22.4	5.6	5.6	-6	25.1	-29.4	18.4	-14.9	3.3	0.4

RUN 63   PT 9

V/OR = 0.100
VKTS = 40.3

ALFS,U = -14.99
MTIP = 0.606

CLRH/S = 0.028929
CXRH/S = 0.007096

CTH/S = 0.029780
CP/S = 0.002169

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	105.3		-16.8		84.5		-26.1		-5.3	
RMS	11.3		11.8		16.2		27.2		11.4	
1/2 P-P	28.4		24.8		28.4		55.7		23.5	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-3	6.7	-6.7	-7.1	-7.2	-16.3	-10.9	-23	-2.3	-6.6
2nd	-2.4	-3.7	-6.9	-2.7	-10.3	-0.1	-21.9	6.7	-12.5	3.4
3rd	-2.5	2.7	-3.1	3	-4.2	4.6	-6.2	14	0.7	2.2
4th	-2.3	-6.5	-2.2	-4.9	-1.3	-3.6	1.1	3.3	4.7	-0.5
5th	1.9	6.9	3.5	5.9	3.2	5.2	-2.7	-6.1	-1.6	-1.2
6th	-2.5	2.3	-1.4	2	-1.1	1.6	0.7	-1.4	-1.6	0.6
7th	-0.3	-0.2	0.3	-0.3	0.2	-0.1	-0.2	-0.1	0.4	-0.8
8th	-0.8	3.2	-0.3	2.2	-0.3	1.1	0.3	0.3	0.6	0.1
9th	-0.8	0.5	-0.3	0.5	-0.2	0.7	0	-0.2	-0.1	0.5
10th	0.7	0.1	0.6	-0.2	-0.2	0.3	0.6	-0.2	-0.6	0.6
11th	2.5	4	2.3	1.8	-0.4	-0.2	1.4	0.9	-1.1	-0.7
12th	-0.6	1.3	0.1	0.6	-0.1	-0.1	-0.1	0.3	0	-0.4
13th	-0.8	0.7	-0.1	0.2	-0.1	-0.1	0	0.1	0	-0.1
14th	-0.9	0.3	0.2	0.1	0.2	0.1	0.3	0	-0.2	-0.1
15th	-0.4	0	0	0.1	-0.1	0.1	0.1	0.2	-0.1	-0.1
16th	0.4	0.3	0.3	-0.2	-0.2	0.2	-0.2	0.3	0.3	-0.2
17th	-0.1	0.4	0.1	0	-0.1	0	-0.1	-0.1	0	0.1
18th	-0.3	0.2	0	0	0.1	-0.1	0.1	-0.1	0	0
19th	0.1	0	0	0.1	-0.1	-0.1	0.1	0.1	0	0.2
20th	0.5	-0.3	0.1	0.1	-0.1	0.3	-0.1	-0.2	0	0.4

D-39

RUN 63   PT 9

V/OR = 0.100 ALFS,U =-14.99 CLRH/S = 0.028929 CTH/S = 0.029780
VKTS = 40.3   MTIP = 0.606   CXRH/S = 0.007096 CP/S = 0.002169

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	28.8		748.9		328		1244		-89	
RMS	87.5		72.9		84.3		65.5		51.2	
1/2 P-P	165.1		141.7		159.8		143.5		95.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	38.5	112	32.1	91.7	34	106.7	16.4	80.4	19.6	66
2nd	-7.5	-17.1	-5	-12.4	13.3	-16	18.8	-19	13.1	0
3rd	16.1	-6.4	11.8	-4	12.5	-9.2	9.2	-11.7	2.9	-0.9
4th	3	-1.6	7.6	5.2	8.9	7.6	8.9	6	-5.4	-10.4
5th	-9.1	-3.5	-14.5	1.5	-20.9	1.8	-16.4	7.2	-4.6	2.6
6th	3.2	-2.1	0.6	-3.1	-2.4	-3.6	-4.6	-1.7	-4	1.7
7th	-1	2.1	0.3	-0.2	0.7	-2.4	2	-4.9	-1	-0.6
8th	1.1	0.3	1	-1.8	1.1	-2.1	0.6	1.1	1	0.4
9th	-0.4	-2.8	-0.5	-1.7	1	-1.1	1.3	1.4	0.4	0
10th	3.4	2.6	2	1.8	1.1	-0.1	-1.3	-1.8	-0.4	0.6
11th	-2.5	-4.1	-6.9	-5.3	-0.8	-1.3	4.4	3.2	-0.2	-0.3
12th	0.9	-1.5	0.1	-2.3	0.4	-0.9	-0.2	1	-0.2	-0.9
13th	0.1	-0.4	-0.7	-0.8	-0.5	-0.5	0.3	-0.1	-0.3	1.5
14th	0.3	-0.3	0.8	-0.5	0.3	-0.9	0.4	-0.1	-2.5	-2.8
15th	0.2	-0.2	-0.7	-0.4	-1	-0.5	-0.3	0.1	-0.5	-0.4
16th	-0.1	-0.3	-1	0.7	0.4	0.1	0.1	0.2	-1.1	0.8
17th	0.3	0	-0.6	-0.5	-0.1	-0.1	0.2	0.1	0.9	-0.2
18th	0.2	-0.3	-0.5	-0.3	-0.2	0.2	0.1	0.1	0.5	-0.2
19th	-0.1	0.3	-0.6	0.4	-0.1	-1	0	0	-0.4	-0.1
20th	0.6	-0.4	-0.4	0.7	-0.3	0.3	-0.6	1.9	0.6	-1.2

D-40

RUN 63   PT 10

V/OR = 0.101   ALFS,U =-14.99   CLRH/S = 0.039209   CTH/S = 0.040431
VKTS = 40.3   MTIP = 0.605   CXRH/S = 0.009881   CP/S = 0.002742

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	127.7		-2.9		94.9		-21.5		-0.9	
RMS	16.1		13.8		19		35		16.8	
1/2 P-P	39.7		30.7		34.1		70.1		34.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-2.9	13.1	-7.7	-5.9	-9.4	-17.7	-24.3	-25.5	-6.2	-6.3
2nd	-1	-2.6	-5.8	-3	-9.1	-1	-24.4	3.9	-19.7	3
3rd	-4.6	2.7	-5.9	5.2	-7.6	8	-10.3	19.3	0.7	2.3
4th	-4.1	-8.9	-4.1	-6.3	-3.3	-4.9	2.5	4	7.9	-0.5
5th	0.7	9.8	2.9	8.5	3	7.5	-2.4	-8.7	-1.8	-1.7
6th	-4	0.5	-2.9	0.9	-1.9	1	1.5	-1.4	-2.6	0.9
7th	0.3	-1.4	0.5	-1.3	0.4	-0.5	-0.3	0	0.9	-1
8th	-1.5	2.2	-0.4	1.6	-0.2	0.6	0.1	0.2	0.9	-0.5
9th	-0.5	0.5	-0.1	0.6	-0.3	0.8	0.2	-0.3	-0.4	0.5
10th	1.1	0	0.8	-0.1	-0.3	0.3	0.7	-0.2	-0.8	0.6
11th	1.6	5.6	2.2	2.6	-0.2	-0.5	1.4	1.5	-1	-1.1
12th	-1.7	0.5	-0.5	0.6	0	0.2	-0.2	0.4	0.1	-0.6
13th	-1.3	0.6	-0.1	0	0.1	-0.3	0.1	-0.1	0	0
14th	-1.3	-0.4	0	-0.1	0.3	0.1	0.2	0.2	-0.3	-0.2
15th	-0.5	0.3	0	0.2	-0.2	0	-0.1	0.1	0.1	-0.1
16th	0.4	0.3	0.3	0	-0.3	0.2	-0.4	0.3	0.4	-0.1
17th	-0.5	0.4	0.3	0.1	-0.1	-0.1	-0.1	-0.1	0.1	0.1
18th	-0.1	0.3	0.1	0.2	-0.1	0	-0.1	0	-0.1	0.2
19th	-0.1	-0.2	0	-0.1	-0.1	0	0	0	0	0
20th	0.4	-0.4	0	0	-0.1	0.3	0	-0.2	-0.1	0.3

D-41

RUN 63   PT 10

V/OR = 0.101   ALFS,U = -14.99   CLRH/S = 0.039209   CTH/S = 0.040431
VKTS = 40.3   MTIP = 0.605   CXRH/S = 0.009881   CP/S = 0.002742

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	49.4		754.3		331.2		1246.4		-107.5	
RMS	150.8		119.1		124.8		93		64.7	
1/2 P-P	327.3		264.8		268.2		205.9		125.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	4.9	199.3	10.3	155.6	25.2	160.9	18.4	115.7	22.3	83.5
2nd	-17.3	-20	-13.3	-15.4	5.5	-18	13.4	-21	16.2	4.4
3rd	34.4	-24.2	24.5	-21.3	25	-30.5	17.5	-29.1	4.1	-5.7
4th	5.2	-0.9	11.2	9.4	13.2	13.3	11.9	11.6	-8.8	-13.2
5th	-9.7	-9.1	-15.1	-12.1	-22.3	-18	-17	-10.2	-9.1	2.7
6th	5.1	-4.6	3.7	0.2	1	4	-3	7	-2.1	2.8
7th	-1.9	4	0	1.9	0.6	-1.8	2.8	-6.3	-1.3	-1.4
8th	-2.2	-1.5	0	-1.6	2.1	-1.4	3.7	1.2	0.2	0.8
9th	-1.7	0	-1.4	-0.2	1.6	-1.2	2.8	-0.1	-0.2	0.1
10th	0.8	-0.5	-0.5	0.1	1	-1	1.1	-0.4	0.1	-0.1
11th	-3.7	-4.1	-7.6	-6.7	-1.4	-1.2	5	4.5	-2.2	0.2
12th	0.1	1.9	0.7	1.6	0.6	1	-0.5	-0.3	-0.9	-0.1
13th	1.8	-1.3	1.8	-3.5	1.3	-2.6	-0.1	0.5	-0.3	1.4
14th	0.7	-0.1	0.8	-0.3	-0.1	-0.5	0.4	0.1	-2	-0.1
15th	0.6	-0.1	-1	-0.6	-0.2	-0.7	0	-0.1	0.4	-1.1
16th	0.4	-0.3	-0.3	0.5	0.7	-0.2	-0.2	0.2	-1.1	-1
17th	0.5	-0.3	0.2	-0.5	0.6	0.3	0.1	0	0.5	0.3
18th	0.8	0	-1.1	-1.1	-1.2	-0.5	-1	-0.3	-0.2	-0.5
19th	0.2	0.6	-0.3	-1	-1.2	-2.2	-0.8	-1.1	-1.1	0.3
20th	0	-0.1	-0.5	0	-0.4	-0.9	-1	1.1	-0.1	-0.3

RUN 63   PT 11

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	142		8.1		119.5		-15.5		2.7	
RMS	23.7		13.9		20.8		43		21.5	
1/2 P-P	52.4		36.7		38.9		87.2		43.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-6.1	26.8	-9.4	-1.8	-10.9	-18.1	-34.7	-28.7	-8.7	-6.9
2nd	4.9	1.5	-2.9	-1.6	-7.7	-0.4	-26.3	3	-25.4	3
3rd	-2.7	3.5	-6.6	7.8	-9.8	12.1	-13.7	25.4	0	2.9
4th	-3.3	-11	-3.7	-7.6	-2.9	-5.5	1.9	5	10.3	-0.5
5th	-1.9	7.7	0.6	7.8	0.7	7.6	0.5	-8.9	-0.7	-1.9
6th	-5	0	-3.3	0.3	-1.8	0.4	1.4	-0.7	-3.5	1.2
7th	-2.2	-1.6	-0.9	-1.2	-0.2	-0.6	-0.3	0.1	0	-0.6
8th	-1.9	2	-0.6	1.3	-0.3	0.4	0	0.4	1.1	-0.2
9th	-0.2	1.1	-0.3	1.1	-0.7	1.1	0.5	-0.1	-0.3	0.7
10th	1.2	0	0.7	0.1	-0.3	0.6	0.7	-0.2	-0.7	0.6
11th	-3.2	5.3	-0.7	3	0.2	-0.8	-0.2	1.7	0.1	-1.2
12th	-1.8	1.1	-0.3	1.2	0	0.2	-0.1	0.6	0	-0.8
13th	-0.5	0.4	0	0.1	-0.1	0.1	-0.2	0.1	0	0
14th	-1	0.9	0	-0.1	0.1	-0.6	0	-0.4	0	0.3
15th	-0.8	0.5	0.1	0.3	-0.1	-0.2	0.1	-0.1	0.1	0.2
16th	-0.2	0.8	0.5	0.5	-0.2	-0.2	-0.3	-0.2	0.4	0.3
17th	-0.2	0.4	0.3	0	-0.1	-0.2	-0.3	-0.2	0.4	0
18th	-0.6	0	0.2	0.1	0.1	-0.1	0	-0.2	0.2	0
19th	-0.4	0	0.1	0	-0.1	0.1	-0.1	-0.1	-0.1	0.3
20th	-0.2	-1.1	0	0	0.4	0.5	-0.3	-0.2	0.3	0.6

RUN 63   PT 11

V/OR = 0.101	ALFS,U =-14.99	CLRH/S = 0.048786	CTH/S = 0.050346
VKTS = 40.4	MTIP = 0.605	CXRH/S = 0.012449	CP/S = 0.003357

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	25.3		734.6		312		1244		-136	
RMS	230.6		176.2		175.3		129.6		83.8	
1/2 P-P	429.4		349.4		370.4		297		158.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-54.3	309.2	-28.5	234.1	1.9	228.7	11.4	158.6	17.4	109.2
2nd	11.6	-3.1	8.1	-5.9	24.7	-10.4	27.6	-17	27.3	12
3rd	74	-32.8	53.9	-32.1	52.3	-44.9	36.9	-40.7	11.4	-8
4th	3.2	4	11.3	20.4	13.8	27.1	13	25.5	-9.6	-18
5th	-11.3	-4	-23.6	16.8	-36.9	26.5	-35.1	38.8	-10	0.7
6th	4.2	0.8	3.5	1.4	-0.4	2	-4.5	1.9	-2.2	6.2
7th	-10.1	6.2	-1.8	2.6	1.6	-3.1	5.6	-9.7	-3.1	0.8
8th	-2.4	-1.8	-0.2	-0.7	1.2	0.5	3.4	2.8	-0.3	-1
9th	2.6	-5.7	0.7	-3.7	1.8	-0.7	0.6	5.1	1.3	-0.6
10th	4.7	-6.6	1	-4.5	1.5	-2.3	-0.4	2.9	0.5	-1.6
11th	5.8	-3	4.5	-8.7	1.3	-0.9	-3	5	-1.5	2.7
12th	8.4	1.5	10	-2.8	5	-0.9	-4.1	1.4	-0.4	-2.2
13th	0.5	-0.8	-0.3	-0.1	0.2	0.5	-0.5	-0.2	0	-1.3
14th	-0.3	-0.8	-4.2	-5	-4	-3.6	0.4	0.3	-2.3	2.4
15th	0.2	-0.4	1.3	0.4	1.6	1.2	0.1	0.4	-0.1	1
16th	-0.3	-1.3	-2.5	2	-1.3	3.7	-0.3	1	-2.4	-1.5
17th	-1.3	0.3	0.5	-1.2	1.6	-2.3	0.8	-0.9	-1.3	-0.4
18th	-0.5	-2.6	-0.4	1	1	3.5	0.6	1.3	-0.1	0.1
19th	0.5	-2.4	-0.8	1.5	-0.2	4	-0.3	2.9	-0.3	-0.8
20th	1.4	-2.2	-0.4	1.8	-1.2	3.7	0.4	4.7	0.7	0.8

RUN 63   PT 12

V/OR = 0.101   ALFS,U =-15.00   CLRH/S = 0.058501   CTH/S = 0.060376
VKTS = 40.4   MTIP = 0.606   CXRH/S = 0.014946   CP/S = 0.004021

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	163.3		21.2		127.3		-9.3		9.7	
RMS	38.3		16.7		22.6		52.2		27.5	
1/2 P-P	70.2		43.8		44		98.9		52	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-5.3	48.6	-9.8	5.4	-12.5	-17.4	-46.9	-31.5	-11.1	-5.5
2nd	6.6	4.4	-1.5	-1.3	-5.8	-1.4	-29.6	-1.2	-33.5	1.7
3rd	-8.3	-2.2	-10.5	5.7	-13	11.3	-16.7	29	-1.1	2.2
4th	-4.3	-14.5	-4.9	-9.8	-4.2	-7	3.2	5.8	13.7	0
5th	-5.6	6.9	-2.8	10.6	-1.6	12.5	3.1	-13.3	0.8	-3
6th	-5.1	-4.1	-4.3	-1.4	-2.8	0.3	2.9	-1.3	-4.1	0.8
7th	-1.3	-1.2	-0.7	-0.6	-0.1	-0.1	-0.3	0	-0.5	-0.4
8th	-2.9	2.4	-1.5	1.8	-0.7	0.5	-0.1	0.2	1.1	-0.3
9th	-0.9	0.5	-0.3	0.3	-0.2	0.4	0.1	0	0.1	-0.1
10th	-0.1	1.7	0.2	0.6	-0.4	-0.1	0.3	0.4	-0.6	-0.1
11th	-1.3	6	0.6	3.5	-0.1	-0.3	0.5	2	-0.3	-1.2
12th	-1.1	0.4	0	0.5	0.1	0.2	0.1	0.5	-0.1	-0.3
13th	-0.9	-0.2	-0.3	0.3	0	0.2	-0.1	0.4	-0.1	-0.3
14th	0.6	-1.6	0.4	0	-0.2	1	0	1	0.3	-0.9
15th	-0.3	-0.7	0	-0.3	0	0.2	0.1	0.5	0	-0.4
16th	-0.1	0.5	0.1	0.1	-0.4	-0.2	-0.4	0	0.2	0.1
17th	-0.4	0	0.3	-0.1	0	0	-0.1	0.1	0.3	0.2
18th	-0.2	0.4	-0.1	-0.3	0	-0.1	0.1	0	-0.2	-0.4
19th	0.2	0.2	0.2	0.1	-0.2	0.1	-0.1	-0.1	0	0.3
20th	-0.9	-0.3	-0.2	-0.1	0.3	-0.1	0	0	0.3	-0.2

D-45

RUN 63   PT 12

V/OR = 0.101   ALFS,U =-15.00   CLRH/S = 0.058501   CTH/S = 0.060376
VKTS = 40.4   MTIP = 0.606   CXRH/S = 0.014946   CP/S = 0.004021

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	48		745.1		313.7		1251.5		-154.7	
RMS	321.7		245.5		247.5		196.9		111.5	
1/2 P-P	567.4		522.8		541		449.5		210.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	4.1	443.9	20.3	326.7	48	308.4	49.5	209.8	24.5	146.9
2nd	-0.9	10.6	-1.4	5	16	1	22.1	-8.8	34.9	19
3rd	33.2	-90.5	12.4	-79.5	12.4	-90.8	4	-77.6	6.9	-15.6
4th	-3.2	0.3	2.3	20.4	4.5	28.1	3.9	26.1	-9.8	-21.7
5th	4.8	-0.9	30.9	67.9	43.8	113.6	50.7	141.5	-10.4	-3
6th	10	-11.4	4.1	5.2	-2.2	16.6	-9.6	20.7	1.7	4.6
7th	-6.8	4.7	-0.8	3.2	2.8	-0.6	6.8	-4	-2.7	0.5
8th	6.3	-1.6	4.9	-1.8	2.7	0.2	-0.4	3.4	0.7	0.3
9th	-3	9	0	4.8	1.4	0	2.6	-4.7	0.3	0.3
10th	-2.8	1.4	-2.5	0.3	0.1	0.7	2.5	-0.1	0.1	1.2
11th	10.6	-10.4	5.2	-16.3	3.1	-4	-3.1	9.9	-0.9	0.6
12th	1.1	0.2	0.9	-0.8	0.2	-0.4	-0.1	0.8	-1	-1.1
13th	3.2	2.6	8.3	3.3	5.9	2.8	-2.4	-0.6	1.3	-0.4
14th	0.7	-0.2	1.7	3.4	2.4	0.7	0	0.9	2	-3.7
15th	-0.9	0.4	0.6	-3.1	0.8	-5.3	-0.3	0.1	0.5	-0.9
16th	0.6	-0.5	0.3	-1.2	0.9	-0.1	-0.2	0	-1.1	0.4
17th	-1.4	1.8	0.2	-1.1	1	-3.4	0.4	-1	-0.2	-0.4
18th	-1	2.4	1.3	-1.5	1.8	-3.4	0.7	-1.8	-0.2	-0.1
19th	0.5	-3.3	0.5	1.3	1.9	3.5	0.7	2.4	-0.4	-1.1
20th	-1.2	6	-0.8	-2.1	-5.3	-8.2	-1.6	-6.4	-1.4	0

D-46

RUN 63   PT 13

V/OR = 0.101 ALFS,U = -15.00 CLRH/S = 0.068145 CTH/S = 0.070326
VKTS = 40.4   MTIP = 0.604   CXRH/S = 0.017397 CP/S = 0.004785

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	185.8		36.6		137		-3.1		14.8	
RMS	45		17.7		23.9		58.7		31	
1/2 P-P	84		44.3		41.8		108.4		59.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	0	56.8	-7.5	6.3	-12	-19.8	-55.8	-35.7	-12.3	-5.4
2nd	10	7	0.5	-0.7	-4.3	-1.5	-33.2	-3.8	-38.1	0.3
3rd	-13.7	-2.4	-13.6	4.7	-15.3	9.9	-18.5	28	-2.5	1.2
4th	-7.1	-14.4	-6.6	-9.8	-5.8	-6.8	4.1	6.3	15.4	0.9
5th	-5.3	8.5	-0.3	11.6	1.9	12.6	-0.3	-13.6	0.3	-2.8
6th	-8.4	-5.2	-5.7	-1.4	-2.6	0.8	2.3	-1.8	-5.4	0.5
7th	-0.8	-0.2	-0.3	0	-0.2	0.2	0	-0.2	-0.7	-0.4
8th	-1.2	1.2	-0.4	1.3	-0.2	0.6	-0.2	0.2	1.5	-0.3
9th	-0.5	0.6	-0.4	0.4	-0.7	0.1	0.1	0.1	-0.2	-0.2
10th	0.9	1.9	0.5	0.7	-0.9	-0.1	0.6	0.3	-0.8	0.1
11th	-0.4	2.7	0.6	1.6	0.1	-0.1	0.5	0.8	-0.4	-0.3
12th	-1.7	-0.4	-0.4	0.1	0.2	0.1	-0.3	0	0.3	-0.1
13th	-2.2	-0.8	-0.3	0	0.5	0.1	0.4	0.1	-0.5	-0.3
14th	-1.6	-1.6	0.1	-0.4	0.7	0.4	0.6	0.2	-0.4	-0.5
15th	-0.3	-1	0	-0.2	0	0.3	0.2	0.5	-0.1	-0.2
16th	0.2	0.3	0.5	0	-0.4	-0.1	-0.4	-0.1	0.6	-0.1
17th	-0.4	0	-0.1	0.2	-0.1	-0.1	-0.1	-0.4	-0.1	0.3
18th	-0.1	-0.1	0.1	0.2	-0.1	0.2	-0.3	-0.1	-0.2	0.3
19th	-0.5	0.5	0	-0.1	-0.1	-0.2	0	0	0	-0.2
20th	1.2	0.4	0.1	0.1	-0.9	0.1	0	-0.1	-0.9	0.3

RUN 63   PT 13

V/OR = 0.101   ALFS,U =-15.00   CLRH/S = 0.068145   CTH/S = 0.070326
VKTS = 40.4   MTIP = 0.604   CXRH/S = 0.017397   CP/S = 0.004785

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	70.3		745.7		310.1		1240.6		-171.7	
RMS	346.9		263.7		267		205		128.9	
1/2 P-P	570		501.3		538.5		452.7		246.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	57	479	62	352.3	87.2	339.7	82.3	234	37.2	168.2
2nd	11.3	27.2	6.6	15.4	23.5	10.1	28	-3.8	42.6	26.1
3rd	-1	-77	-16	-69.3	-14.8	-84.6	-18.4	-75.5	-0.1	-15.7
4th	-15.6	9.2	-12.3	33.6	-13.1	42.2	-14	40.5	-12.5	-20
5th	10.4	-19.4	57.7	3.9	88.4	18	103.8	37.3	-11.2	-2.5
6th	-7	-14.9	8.2	6.9	17.2	20.3	17.5	26.7	0.7	1.2
7th	2	3.1	1.2	0.8	-0.7	-1.7	-2	-3.8	-3.1	-1.1
8th	0.4	-5.2	1.3	-2.8	3.4	-2.1	4.6	2	0	-3.7
9th	6.1	4.7	4.5	1.5	1.9	-0.1	-2.6	-1.1	-0.1	1.4
10th	1.1	4.8	0.2	2.6	1.7	1.5	0.8	-2.3	0.6	0.8
11th	0.1	-15.9	-4.7	-16.6	-1.2	-5.6	2.6	9.6	-0.6	-0.2
12th	3.9	-1.4	4.4	-3.8	2.3	-2.5	-2	1.4	-1.4	0.1
13th	9.4	0.9	17.8	-3.1	12.2	-2.3	-4.1	0.7	0.4	-0.8
14th	-0.4	-1.6	-0.3	-3	-2	-4.7	0.9	0.5	-3.3	-2.8
15th	0.4	-0.3	4.2	0.2	4.3	-0.9	0.7	0.6	1.5	0.3
16th	-0.9	-0.5	-3.2	0.3	-1.4	0.4	-0.2	0	-1.2	-1.7
17th	1.3	0.4	-0.8	0.5	-1.1	0.9	-0.7	0.3	0.1	-1.3
18th	-0.3	-1.2	-0.3	-0.2	0.6	0.2	-0.4	0.6	0	-0.3
19th	0.9	2.9	-0.7	-0.1	-2.8	-1.6	-1.5	-1.2	-0.3	1.1
20th	0.6	-4.5	-0.6	1.5	4.2	6.2	-0.4	5.4	0.7	0.5

RUN 63   PT 14

V/OR = 0.101   ALFS,U = -15.00   CLRH/S = 0.077795   CTH/S = 0.080332
VKTS = 40.3   MTIP = 0.605   CXRH/S = 0.020044   CP/S = 0.005644

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	209.3		51.5		147.7		5.5		22.1	
RMS	52.1		20.1		25.5		66.2		36.4	
1/2 P-P	94.7		45.9		47.7		118.3		67.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	6.9	64.8	-5.4	8.5	-12.1	-20.6	-67.6	-39.5	-14.1	-6.4
2nd	13.9	9.3	2.9	0.1	-2.2	-1.3	-33.7	-6.3	-44.8	-1.3
3rd	-18.3	-0.2	-17.6	6	-19	10.4	-21.4	27.5	-2.9	0.5
4th	-7.3	-14.8	-7.4	-10.2	-6.5	-7	4.6	6.8	18.3	1.6
5th	-5.5	7.8	-0.2	10.8	2.2	11.8	-0.7	-12.7	0.5	-2.1
6th	-11.6	-5.2	-7.4	-1.8	-2.9	-0.1	2.3	-0.7	-6.6	0.5
7th	0.7	-1.5	0.9	-0.9	0.3	0	0	-0.1	-0.6	-0.7
8th	-2.9	-0.6	-1.3	0.4	-0.1	0.5	-0.5	0.2	1.8	-0.3
9th	-0.9	0.8	-1	0.5	-1	-0.1	0.1	0.4	0.2	-0.2
10th	1.8	1	0.6	0.5	-1	0.1	0.8	0.3	-1	0
11th	-3.8	3.5	-0.8	2.2	0.5	-0.4	-0.6	1	0.3	-0.6
12th	-1.7	-0.4	-0.6	0.2	0.3	0.2	-0.3	0.1	0.2	-0.1
13th	-1.5	-1	-0.4	-0.3	0.2	0	0.2	0	0	0
14th	-1.1	-1.4	0.1	-0.5	0.5	0.3	0.3	0	-0.2	-0.3
15th	-0.6	-1.9	-0.2	-0.4	0.4	0.5	0.4	0.6	-0.1	-0.5
16th	0.5	-0.6	0.2	-0.1	-0.3	0	-0.4	0.2	0.2	0.1
17th	0.2	0	0.4	0.3	-0.3	0.1	-0.4	-0.5	0.1	0.4
18th	0.1	0.1	0	0	-0.2	0	-0.1	0.1	-0.1	-0.1
19th	0.8	0.6	-0.3	0.2	-0.6	-0.2	0.2	-0.2	-0.8	-0.1
20th	1.3	-0.3	0.2	0	-0.5	0.4	0.1	0.1	-0.5	0.5

RUN 63 PT 14

V/OR = 0.101 ALFS,U = -15.00 CLRH/S = 0.077795 CTH/S = 0.080332
VKTS = 40.3 MTIP = 0.605 CXRH/S = 0.020044 CP/S = 0.005644

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	91.2		751.7		302.6		1238.3		-191.4	
RMS	368.6		279.7		286.5		219.3		146.5	
1/2 P-P	577.7		497.4		549.6		460.1		257.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	71.1	511	76.7	374.9	112.1	364.6	112.3	250.8	46.6	189.5
2nd	23.9	23.6	15.2	10.8	29.3	5.3	31.2	-7.1	51.7	32.5
3rd	-5.6	-52.1	-18.4	-52.4	-17.2	-72.3	-22.8	-67.9	-3.7	-13.7
4th	-17.7	19.2	-15.2	47.8	-18.2	59.2	-19.9	57	-12.3	-22.2
5th	9.4	-26.9	52	-20	81.4	-18.5	96.9	-2.4	-10.2	-1.3
6th	-13.1	-7.8	8.8	6.8	20.2	14.5	22.7	17.8	-6	2.6
7th	1.4	0.5	-1	1.5	-3.5	-0.5	-2.8	-3.1	-3.6	-0.7
8th	-5.3	-5.2	-0.6	-1.3	2.9	-1.1	6	0.9	-1.6	-4.4
9th	8.3	2.9	5.4	-0.7	2.1	0	-4	0.5	0	0.2
10th	0.7	2.5	-1.4	1.4	1.3	0.3	1.7	-1.6	0.8	-0.1
11th	-3.5	-9.5	-4	-11.9	-3.1	-2.4	1.8	7	-2.8	1.8
12th	6.8	2	9.1	-0.5	5.2	0.1	-4	0.5	-0.9	-1.3
13th	8.2	-3	12.8	-10.3	8.9	-7.6	-3.3	2.1	1.2	0.2
14th	-0.5	-0.7	-1.1	-1.9	-1.8	-2.6	0.7	0.2	-2.7	-1.1
15th	-0.6	-0.4	5.5	-2.1	6.2	-4.7	0.5	0.6	0.5	0.2
16th	-0.8	0	-4.8	1.1	-4.4	0.8	-1.4	0.7	-3.7	-1.2
17th	-1.1	-1.4	1.5	1	4.4	3	1.2	1.5	0.3	-1.4
18th	-1.8	1.1	0.6	-1.3	3.2	-2.7	0.7	-1.1	0.1	0.8
19th	2.7	-1.2	-0.6	1.1	-0.8	3.5	-2.7	2.3	0	1.5
20th	-5.8	-1.3	0.9	0.2	9.8	-3.1	5	-0.6	0.9	-1.6

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RUN 63   PT 15

V/OR = 0.100	ALFS,U =-15.00	CLRH/S = 0.087359	CTH/S = 0.090203
VKTS = 40.3	MTIP = 0.607	CXRH/S = 0.022488	CP/S = 0.006555

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	235.1		68		159.3		13.5		27.8	
RMS	58		22		27.4		73.3		39.5	
1/2 P-P	102.3		48.9		52		129.8		72.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	11.5	71	-3.3	9.3	-11.4	-22.7	-75.8	-44.2	-15.4	-8.4
2nd	18.5	12.3	5.5	1.1	-0.9	-0.8	-37.7	-10.3	-48.3	-4.4
3rd	-20.9	4	-20.3	8	-22.5	11	-24.4	26.5	-4.1	-0.2
4th	-6.2	-14.9	-6.8	-11.1	-6.2	-7.8	4.4	8	19.3	3.4
5th	-4.6	6.9	0.2	9.1	2.3	10	-1	-10.8	0.8	-0.9
6th	-12.1	-3.4	-7.6	-2	-3.1	-1.1	2.5	0.4	-7.3	-0.1
7th	-0.9	-3	-0.1	-1.9	0.2	-0.5	0	-0.1	-1.3	-1.6
8th	-7.1	-3.5	-4.2	-1.2	-0.8	-0.3	-1.4	0	1.3	-0.9
9th	-1.7	0	-1.4	0.1	-0.8	-0.2	-0.3	0.3	0.6	0.2
10th	1.2	-0.4	0.5	-0.1	-0.5	0.3	0.4	0	-0.8	0.2
11th	-6.7	2.1	-2.8	2	0.8	-0.3	-1.5	1.3	0.9	-1.1
12th	-1.8	-0.4	-0.6	0.5	0.2	0.2	-0.3	0.4	0.2	-0.5
13th	-1	-0.1	-0.1	-0.3	0.2	-0.4	0.1	-0.5	0	0.4
14th	-1.6	-0.9	0.1	-0.3	0.7	0	0.4	-0.1	-0.4	-0.1
15th	-0.8	-0.4	0	0	0.2	-0.2	0.3	-0.3	0	0.1
16th	-0.7	-0.5	-0.3	-0.1	0.1	0	0.2	0	-0.3	-0.2
17th	0.2	-0.1	0.6	-0.1	-0.1	0.1	-0.4	0	0.4	0.1
18th	-0.3	-0.2	-0.1	-0.2	0	0.1	0.2	0	-0.1	-0.1
19th	0.1	-0.8	0.1	0.3	0.1	0.4	0.1	-0.2	0.3	0.5
20th	0.3	-0.6	0	-0.1	0	0.5	0	0	0	0.5

RUN 63   PT 15

V/OR = 0.100   ALFS,U =-15.00   CLRH/S = 0.087359   CTH/S = 0.090203
VKTS = 40.3   MTIP = 0.607   CXRH/S = 0.022488   CP/S = 0.006555

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	122.3		762.7		300.1		1236.9		-205.8	
RMS	391.8		299.1		310.9		238.5		164.7	
1/2 P-P	590.5		532.6		576.4		459.9		285.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	91.2	541.7	94.6	399.4	133.8	395.3	136.4	274.6	58.3	210.9
2nd	41.5	16.7	27.1	1.2	40.6	-2.5	42.1	-12.8	59.6	41.1
3rd	2.3	-22.8	-13.7	-33.1	-14.6	-56.7	-24.6	-57.9	-7.3	-7.4
4th	-21.2	32.6	-22	66.6	-28.2	82.3	-29.1	78.7	-9.7	-25.2
5th	6.3	-31.2	32.9	-35.3	52.8	-42.6	65.1	-29.6	-8.7	-2.4
6th	-14.3	4.8	8.7	2.1	20.4	-0.5	22.5	-4.6	-8.2	4.9
7th	-3	-1.8	-2	1.5	-2.2	0.9	0	-1.1	-5.1	-0.7
8th	-7.9	-0.3	1.3	2.3	3.1	-0.2	3.1	-2.7	-4.1	-3.6
9th	5.5	3.3	4.3	0.3	2.1	-0.2	-3.3	-0.5	-0.3	0.5
10th	-0.6	-1.2	-1.7	-0.2	0.7	-0.9	1.6	-0.7	0.1	-0.4
11th	0.2	-1	3.4	-5.3	-1.2	-0.4	-2.6	3	-0.5	2
12th	8.1	1.2	11.3	-1.8	6	-1.1	-4.6	0.9	-1.5	-0.2
13th	4.5	-5.7	4.6	-13	3.2	-9.2	-0.9	2	-1.6	-0.3
14th	-0.9	-0.2	-1	-1	-2.6	-1.4	1.2	-0.3	-4.1	0.1
15th	-1.2	0.2	2.4	-6.3	2.7	-7.4	0.6	-0.9	-0.5	-1.2
16th	-0.7	0.7	-5	0.9	-6.8	-0.2	-1.6	-0.2	-1.1	-1.2
17th	-3.3	0.6	2.3	-0.1	6	-1.8	1.9	-0.1	-0.7	-0.7
18th	-1.1	3.4	-0.2	-2.1	-0.7	-5.1	-0.2	-2.4	-0.7	-0.5
19th	-0.7	-1.6	0.4	0.9	1.1	2.1	0.8	2.3	-0.4	-0.6
20th	-9	6.8	0.4	-3.4	5.6	-16.7	4.6	-10.1	-0.5	-0.6

RUN 63   PT 16

V/OR = 0.101 ALFS,U =-15.00 CLRH/S = 0.096788 CTH/S = 0.099930
VKTS = 40.4   MTIP = 0.606   CXRH/S = 0.024881 CP/S = 0.007612

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	259.7		84.9		170.5		22.3		34.9	
RMS	64.3		24.4		29.6		79.8		42.6	
1/2 P-P	113		51.9		57.9		140.2		75.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	15.8	78.1	-1.6	10.9	-10.9	-23.9	-83.1	-47.4	-18	-8.4
2nd	23.3	15.5	7.8	1.7	0.6	-1.6	-40.6	-18.3	-51.4	-8.6
3rd	-23.1	7.5	-24.1	8.6	-27.4	9.6	-30	22.4	-4.9	-2.5
4th	-4.4	-14	-6.5	-11.1	-6.7	-8.1	4.3	8.3	19.7	6.1
5th	-1.1	7	2.1	8	2.7	8.2	-1.5	-8.5	1	0.5
6th	-9.4	-1.8	-6.3	-1.9	-3	-1.9	3.1	1.4	-6.8	-0.8
7th	-0.1	-5.9	-0.2	-4.2	-0.1	-1.8	0	0.3	-1.3	-3.1
8th	-8.9	-2.2	-5.3	-0.6	-1.2	-0.4	-1.7	0.2	0.8	-0.2
9th	-1.6	-1.2	-1.7	-1	-0.8	-0.7	-0.4	-0.2	0.4	0.5
10th	-1.3	0.2	-0.3	0.3	0.1	-0.2	-0.1	0.2	-0.4	0
11th	-8.5	0.9	-4	1.6	1.1	-0.4	-2.3	0.9	1.4	-1
12th	0	-1.8	0.1	-0.5	0.2	0.3	0	-0.1	0	0
13th	0.1	0.1	-0.1	-0.2	-0.3	-0.3	-0.2	-0.4	0.3	0.4
14th	-1.1	0.2	0.2	-0.3	0.5	-0.5	0.5	-0.7	-0.4	0.6
15th	-0.8	0.9	-0.1	0.4	0.2	-0.6	0.1	-0.7	-0.3	0.4
16th	-0.5	-0.4	-0.3	-0.1	0.2	-0.1	0.2	-0.1	-0.3	0
17th	0	-0.5	0.1	-0.5	0.1	0.1	0.1	0.2	0.1	-0.2
18th	0.2	-0.1	-0.3	-0.2	-0.1	-0.1	0.3	0	-0.1	-0.4
19th	-0.8	0.9	-0.1	-0.4	0.1	-0.8	0.1	0.1	0	-1.2
20th	-1.6	-0.6	-0.2	-0.1	0.9	-0.2	0	0.2	0.7	-0.3

D-53

RUN 63   PT 16

V/OR = 0.101   ALFS,U = -15.00   CLRH/S = 0.096788   CTH/S = 0.099930
VKTS = 40.4   MTIP = 0.606   CXRH/S = 0.024881   CP/S = 0.007612

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	149.7		766.8		294		1222.6		-222.7	
RMS	416.3		320.6		337.8		261.9		181.1	
1/2 P-P	591.4		534.7		596.6		490		321.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	107.7	572.5	110.5	425.1	153.4	426.5	158.7	299.4	67.2	229.3
2nd	51.6	13.8	35	-2.5	50	-0.6	52.1	-8.1	69	52.2
3rd	22	3.3	2.8	-22	3.5	-50.7	-12.1	-58.7	-9.8	-0.5
4th	-19.8	43.9	-26.4	80.1	-36.1	98.1	-39.3	94.6	-5.6	-24.5
5th	-1.1	-37.8	-4.9	-53.7	-5.4	-71.1	2.6	-60.4	-7.7	-2.5
6th	-10.8	15.1	3.2	1.4	9.8	-9.4	9.4	-19.1	-5.4	7
7th	-3.9	-2.3	-2.8	2.9	-3.8	2.1	-2	-2.8	-5.2	-1.8
8th	-8.1	5.2	1.2	4	1.3	1.3	-1.2	-2.9	-4.4	-1
9th	1.8	6.2	2.5	3.6	1	1.4	-3.2	-3.1	-0.4	1.9
10th	-3.8	1.1	-1.3	1	-0.3	0.8	1.2	-0.8	-2.1	-0.1
11th	3.8	6.8	10.1	1.7	0.7	2.8	-6.8	-1.2	-1.3	1
12th	0.4	-3.3	0.2	-3.6	0	-3.3	-0.1	1.8	-0.6	-1.2
13th	0.2	-2.5	-1.1	-4	-0.2	-2.6	0	0.5	0.1	-1.2
14th	-0.7	0.2	1.1	-1.5	0	-0.5	1.1	-0.8	-4.6	1.7
15th	-0.9	0	-2	-4.7	-2.2	-2.9	-0.1	-0.7	0.6	-0.4
16th	-1.2	0.1	-3.3	1.3	-4.5	0.7	-1.3	0	-0.1	-2.3
17th	-1.3	2.8	0.6	-0.9	1.2	-4.5	1	-1.9	-1.2	-1
18th	0.4	2.6	-1.1	-1.2	-2.7	-3.6	-1.7	-2.4	0.5	0.5
19th	-2	2.4	1	-1.3	0.7	-2.2	0.7	-4.2	-0.9	0
20th	1.9	12.1	-1.5	-3.1	-13.9	-13.7	-6.7	-12	-1.3	-0.5

D-54

RUN 63   PT 17

V/OR = 0.101   ALFS,U = -15.00   CLRH/S = 0.106308   CTH/S = 0.109795
VKTS = 40.4   MTIP = 0.604   CXRH/S = 0.027471   CP/S = 0.008786

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	283.5		101.8		180.7		30.2		42.2	
RMS	72.4		27.7		31.6		85.1		45.8	
1/2 P-P	129.9		56.5		63.6		149.6		81.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	22	86.9	1.6	13.3	-9.4	-24.8	-87.9	-49.9	-20.8	-9.3
2nd	24.6	19.4	8.7	3.4	1.2	-0.9	-43.5	-25.7	-53.7	-13
3rd	-25.1	11.5	-27.1	9.5	-31.5	8.8	-33.5	18.8	-3.7	-4.6
4th	0.3	-15.6	-3.7	-13.3	-4.8	-10.7	1.8	10.3	19.9	9.4
5th	-1.1	8.3	1	8	0.8	7.2	0.6	-7.5	0.1	1.7
6th	-6	-2.2	-4.8	-2.7	-2.8	-2.7	3	2.3	-6.6	-2.3
7th	2.8	-7.8	1.1	-5.8	0.2	-2.4	0.2	0.3	-0.4	-4.1
8th	-10	-2.1	-6.4	-0.5	-1.9	-0.6	-1.8	0.1	0.4	0.3
9th	-1.3	-1.5	-1.7	-1.4	-0.8	-0.8	-0.2	-0.4	0.1	0.8
10th	-1.7	1.4	0	0.4	0.4	-0.9	-0.2	0.4	-0.7	-0.7
11th	-15	-2.7	-7.9	0.8	1.9	0.1	-4.6	0.7	3.4	-0.8
12th	1	-1.8	0.4	-1.3	0.1	0	0.1	-0.7	0.2	0.3
13th	-0.1	0	-0.1	-0.3	-0.1	-0.3	-0.2	-0.4	0.3	0.6
14th	-2.5	0.6	0	-0.1	1	-0.9	0.8	-1	-1.1	0.9
15th	-0.7	0.6	-0.4	0.4	0.1	-0.3	0.4	-0.3	-0.2	0.2
16th	-1.1	-0.1	-0.4	0.1	0.3	-0.3	0.5	-0.3	-0.4	0
17th	0	-0.2	0	-0.1	0.1	-0.1	0.1	0	0	-0.2
18th	-0.3	0	-0.1	-0.2	0.1	-0.1	0.2	0.1	0	-0.3
19th	0.4	0.8	-0.2	-0.2	-0.4	-0.4	0.2	0.1	-0.4	-0.7
20th	-1.3	-1	-0.1	-0.4	1	0.3	-0.1	0.2	1	0.3

D-55

RUN 63   PT 17

V/OR = 0.101	ALFS,U = -15.00	CLRH/S = 0.106308	CTH/S = 0.109795
VKTS = 40.4	MTIP = 0.604	CXRH/S = 0.027471	CP/S = 0.008786

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	167.8		764.8		285.1		1204.2		-238.6	
RMS	437.6		340.5		365.9		288.3		198.1	
1/2 P-P	623.9		573.5		643		528.8		333.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	118.3	600.7	121	447.9	167.8	456.7	176.6	323.3	73.7	251.4
2nd	45.8	13.8	32.2	-4.9	50.1	-0.5	56.5	-6.3	68.1	64
3rd	34.1	21.1	13.7	-17.4	14.6	-51.4	-4.9	-63.3	-9.4	8
4th	-9.7	47	-19.5	80.4	-29.9	98.4	-33.6	91.9	2.2	-24.5
5th	1.4	-44.2	-16.5	-83	-21.8	-115.9	-18.9	-109	-5	-2.8
6th	-1.8	16.3	1.7	2	1.2	-8.1	-3.2	-17.8	-7.6	5.3
7th	-3	-2.5	-4.7	4.2	-5.7	3.4	-4.3	-3.2	-5.4	-3.6
8th	-2.7	6.6	4.3	4.5	0.4	3	-6.8	-1.1	-4.7	-0.8
9th	-1.8	3.8	-0.1	2.5	0.8	2	-0.7	-1.7	-1.5	2.8
10th	-5.6	6.2	-1.3	3.5	-1.2	2.5	1.4	-2.3	-4.7	2.1
11th	2.2	1.7	14.3	-0.7	-1.5	1.7	-10.4	0.4	-4.2	1.1
12th	-10	-9.7	-14.2	-8.1	-7.6	-6.8	6.4	3.4	-2	0.8
13th	1.5	0.9	4.2	0	3	0.8	-0.9	-1	-1.2	-0.1
14th	-1.3	0.4	-0.4	-3.8	-2.9	-1.6	1.3	-0.8	-8.2	1.9
15th	-0.6	-0.3	0.2	-0.5	-0.6	1.1	-0.5	0.2	0.3	0.7
16th	-0.8	0.1	-6.3	-2.6	-9	-2.2	-2	-0.8	-1.8	-2.2
17th	0.1	0.3	0	0.2	-0.3	-0.2	-0.4	-0.2	-0.9	-0.8
18th	-0.2	2.1	-1.7	-0.8	-4.3	-1.6	-1.8	-1.4	-0.5	-0.7
19th	0.5	1.7	-0.5	0.2	-0.9	-0.2	-1.5	-1.3	-0.3	1.1
20th	-5.2	5.4	0.6	-1.8	-1.4	-10.2	3.7	-7.1	-3.4	-0.2

RUN 63   PT 18

V/OR = 0.100   ALFS,U =-15.00   CLRH/S = 0.115692   CTH/S = 0.119581
VKTS = 40.3   MTIP = 0.607   CXRH/S = 0.030256   CP/S = 0.010598

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	313.9		121.6		414.2		31		36.8	
RMS	87		32.8		31.3		82.1		49.2	
1/2 P-P	186		77.9		78.9		156.7		99.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	41.7	99.4	11.8	17	-1.1	-23.5	-83.2	-41	-23.7	-12.6
2nd	31.1	11.3	11.7	-3.3	3.1	-8.8	-41.1	-44	-54.8	-19.5
3rd	-19.5	11.2	-23.7	6.8	-29.7	5	-26.7	7	-0.5	-4
4th	12.3	-9.1	5.1	-10.9	2	-8.8	-6	2.5	20.5	10.2
5th	4.5	14.5	2.5	12.1	-0.3	9.9	0.7	-9.3	-0.5	-1.5
6th	-1.3	-4.5	-2.5	-2.1	-2.7	-0.6	3.1	0.7	-6.9	-3.7
7th	4	3.5	4.7	2.2	2.5	1.7	-0.8	0	0.6	-0.9
8th	-3.4	1.8	-2	-0.5	-0.7	-1.5	-0.6	0.9	0.9	1.3
9th	3.2	-4.9	-0.9	-4.6	-1.7	-1.8	0.7	-2.2	-0.3	0.7
10th	-4	1.7	-2.9	1.1	-0.7	-0.7	-1.9	0.7	0.1	-1.5
11th	-20.3	-1.6	-10.8	2	2.2	-0.4	-6.4	2.2	4.4	-2
12th	-1.6	2.6	-1.3	1.2	-0.3	-0.9	-1.1	0.3	0.8	0.1
13th	1.1	1.3	0.6	0.7	-0.3	-0.2	-0.1	0	0.4	0.4
14th	1.9	3.2	0.4	0.3	-1.1	-1.2	-1.1	-0.9	0.6	0.6
15th	3.6	1.9	1	-0.2	-1.6	-0.4	-1.8	0.1	1.1	-0.1
16th	0.2	-0.6	-0.3	0.2	0	0.4	0.4	0.3	-0.3	0
17th	-0.8	0.5	-0.2	0.1	0.4	-0.2	0.5	-0.4	-0.2	0
18th	1.6	0.8	-0.3	-0.2	-0.6	0.1	0	0	-0.6	0.1
19th	-0.7	1.8	-0.3	-0.1	-0.2	-1	0.3	0	-0.6	-1.2
20th	-3.4	0.7	-0.5	0.5	1.3	-1.2	0	-0.1	1.4	-1.6

D-57

RUN 63   PT 18

V/OR = 0.100   ALFS,U = -15.00   CLRH/S = 0.115692   CTH/S = 0.119581
VKTS = 40.3   MTIP = 0.607   CXRH/S = 0.030256   CP/S = 0.010598

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	212.4		803.3		320		1257.3		-285.7	
RMS	459.7		355		383.8		294.4		254	
1/2 P-P	659.9		611.4		706.9		601		485.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	173	615.9	140.4	451.7	173.2	461.7	161	312	147	308.4
2nd	39.8	10.8	31.3	11.8	55.6	30.3	63	36.1	79.1	25.1
3rd	65.4	31.2	46.6	-16.5	47.4	-49.1	25.7	-61.6	-29.1	13.8
4th	14.3	34.6	7.3	47.2	4.8	59	5.6	50.2	20.8	12.5
5th	-8.9	-52.7	-62.8	-106.6	-84	-154	-89.1	-145.9	22	-5.5
6th	8.3	7.8	-8.7	12.3	-22.1	7.7	-32.2	5.7	-2.4	-18
7th	-5.9	6.9	-2.6	3.9	-1.4	-1.9	6.2	-3.5	-15.6	-6.5
8th	7.9	0.7	8.6	-6.2	5.4	-2.9	0.2	-2.2	-5.1	11.1
9th	-2.2	3.4	-6.1	3.4	-4	-1.1	-5.5	-7.9	9	2.7
10th	6	9.3	7.5	5.5	-0.3	4.9	-9.1	-0.9	-1	-0.9
11th	9.4	12.7	28.4	6.3	3.2	6.6	-18.4	-2.3	-2	4.1
12th	-12.8	12.2	-10.3	13.5	-6.6	9.8	3.8	-5.7	2.9	5.1
13th	1.3	-2.4	-0.8	-5.7	1.1	-2.6	-0.6	2.2	0.8	-3.2
14th	-0.5	1.3	-5.8	0.4	-1.9	3.7	0.1	-0.8	0	5.2
15th	-1.5	0.9	-2.4	-1	4.2	-1.3	-0.7	-0.3	1.9	2.8
16th	-0.1	0.4	-2.3	9.6	-3.5	10.5	-1.5	3.1	0.5	3.3
17th	-0.4	2.4	1.3	-0.7	-0.4	-0.9	0.2	-0.8	0.8	-1.5
18th	1.3	-1.2	-0.3	2.9	1.2	4.9	-1.5	3	-0.9	1.8
19th	2.3	1.4	-2.1	0.7	-5.2	3.7	-3.1	-1.6	-0.3	1.7
20th	6.5	8.4	-0.9	-2.6	-18.2	-2.3	-6.8	-7.9	-0.9	0.5

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RUN 45   PT 5

V/OR = 0.099	ALFS,U = -10.00	CLRH/S = 0.029811	CTH/S = 0.030156
VKTS = 39.8	MTIP = 0.608	CXRH/S = 0.004597	CP/S = 0.001919

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	103.2		-30.5		6.3		-37.4		-0.9	
RMS	17.5		16.5		18.7		30.8		14.2	
1/2 P-P	43.5		38.1		35.8		62.3		29.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-1.2	7.3	-6.3	-6.9	-5.2	-15.5	-7.3	-22.5	-0.7	-7.7
2nd	-2.8	-4.6	-8.7	-3.3	-11.4	0.5	-24.8	7.4	-14.3	4.5
3rd	-4.5	5.6	-5.1	6.6	-6.9	9.1	-8.1	20.6	0.6	3.6
4th	-7.2	-7.9	-6.6	-4.9	-5.5	-2.9	3.5	3.8	7.6	-2
5th	4.4	11.8	6.6	9.2	7.2	7.1	-5.6	-9.9	-3	-2
6th	-6.3	4.6	-4.2	4.1	-2.6	3	2	-2.8	-3.3	2.6
7th	0.9	-2.2	0.7	-2	1.3	-0.6	-0.2	0.6	1.1	-1.3
8th	-2	9.3	0.2	6.5	-0.5	2.8	-0.2	1.4	1.3	-0.6
9th	-1.6	0.9	-0.7	0.9	-0.2	0.8	-0.1	-0.3	-0.1	0
10th	0.1	-1.6	0.2	-1.2	-0.9	-0.4	0.5	-1.4	-0.6	1.7
11th	2.9	6.3	3	2.3	-0.4	-1	1.9	1	-1.5	-0.3
12th	-1.6	-0.1	-0.5	0	0.3	0.1	-0.2	-0.2	0	-0.1
13th	-1.1	0	-0.2	-0.1	0.5	0.1	-0.2	-0.1	0	-0.3
14th	-0.8	-0.1	0	0.1	0.4	0.4	0.1	0	-0.1	-0.2
15th	-2.4	0.8	-0.2	0.6	0.6	-0.2	0.7	-0.6	-0.5	0.7
16th	-0.9	-0.4	-0.1	0	0.5	0.2	0.5	0.2	-0.1	0.1
17th	0.1	0.2	0.1	0	0.3	-0.1	-0.1	0.1	0.1	0
18th	0.7	0.5	0	-0.1	0	-0.5	-0.2	-0.1	-0.3	-0.2
19th	0.5	0.9	0.1	0	-0.1	-0.4	0	-0.1	-0.4	-0.4
20th	0.1	0.3	0.2	-0.1	0.5	0.2	0.1	-0.1	0.2	-0.1

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RUN 45   PT 5

V/OR = 0.099   ALFS,U = -10.00   CLRH/S = 0.029811   CTH/S = 0.030156
VKTS = 39.8   MTIP = 0.608   CXRH/S = 0.004597   CP/S = 0.001919

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	21.9		743.1		340.2		1254.6		-19	
RMS	81.4		66.8		79.9		61.9		67.1	
1/2 P-P	180.7		154.8		162.7		143.6		154.5	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	11.6	106.5	12	83.8	19.2	96.4	6.5	69.9	19.4	82.9
2nd	1.8	-28.3	6	-21.9	27	-25.1	27.8	-24.7	19.7	-5
3rd	12.6	-13.5	8	-12	10.7	-23.2	7	-22.8	6.2	0.2
4th	6.5	0.5	11.9	10.8	14.4	13.6	9.8	13.8	-13.6	-21.8
5th	-13.4	-7.2	-11.4	-7.7	-13.3	-10.3	-3.5	-1.8	-10.5	9.6
6th	4.7	-3.5	4.5	-4.6	3.1	-2.9	-2.7	1.3	0.1	4.6
7th	-2.4	1	-0.3	1.8	1.5	0.1	5.1	-4.2	0.3	0.1
8th	-0.3	-0.2	0.8	-6.3	1	-4.3	1.5	3.6	-0.1	-2
9th	3.3	-3	2.4	-2.9	1.2	-1.3	-0.7	1.6	0.4	-2.1
10th	0.7	2.2	0.6	2.8	0.2	0.5	0	-3.7	-0.5	1.7
11th	-2.2	-2.4	-7.4	-5.4	-0.6	0.1	4.9	2.9	-2.8	2.8
12th	2.8	-1.1	3.1	-1.6	1.2	-0.9	-1.7	0.2	-0.8	-0.9
13th	0.2	-1.5	-0.4	-2	-0.5	-1.4	-0.1	0.2	1.2	-0.2
14th	0.2	0.1	0.3	1.6	0.1	0.8	-0.1	-0.3	0.8	-0.3
15th	0.3	-0.4	0.5	-1.7	-1.9	0.2	0.7	-0.2	-2.9	-1.9
16th	0.3	-0.2	0.7	0	-0.8	-0.2	0.1	0.3	-0.8	-3.2
17th	0.1	-0.3	0	0.1	0.2	-0.3	-0.1	0	0.3	-0.9
18th	-0.1	-0.2	-1.3	-0.1	0.7	-0.2	-1	-0.5	-1.1	1.1
19th	0.1	-0.9	-0.5	0.4	1	1.4	-0.9	0.1	0.4	-0.6
20th	0.6	0.1	-0.6	-0.6	-0.8	-0.3	-0.9	-0.2	-0.6	-1.7

RUN 45   PT 6

V/OR = 0.099	ALFS,U = -10.00	CLRH/S = 0.039483	CTH/S = 0.039968
VKTS = 39.8	MTIP = 0.607	CXRH/S = 0.006244	CP/S = 0.002352

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	121.1		-17.7		13.5		-32.7		5.5	
RMS	21.8		19.8		22.6		38.9		20	
1/2 P-P	55.9		47.4		42.8		81.2		41.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-6.3	12.6	-9.5	-5.8	-9.4	-16.8	-21.3	-24.6	-4.5	-8.4
2nd	0.3	-3	-6.3	-3.5	-8.6	-0.4	-26.1	3.8	-21.6	4.4
3rd	-7.3	8.2	-9.6	10.6	-12.4	13.4	-13	28.7	0.3	5.2
4th	-8.2	-11.7	-7.5	-7.6	-6.1	-4.8	4.1	5.8	11.3	-1.7
5th	3.1	13.8	6.2	12.1	7.7	9.5	-5.1	-13.5	-3.2	-3.5
6th	-7.9	2.6	-5.6	2.6	-3.1	2.1	2.7	-2.1	-4.5	2.8
7th	1.8	-1.2	1.3	-1.7	1.5	-1.2	-0.2	0.8	1.3	-0.7
8th	-2.4	7.7	-0.2	5.4	-0.5	2	-0.4	1.2	1.9	-0.8
9th	-2.2	0.7	-1.2	0.8	-0.3	0.5	-0.3	-0.3	0	-0.1
10th	1.4	-1.3	0.8	-1.1	-0.6	-0.4	0.8	-1.2	-0.9	1.3
11th	1.9	7.6	2.6	3.5	0.2	-0.9	1.9	1.7	-1.3	-0.9
12th	-1	0.2	0	0.5	0.2	0.4	0.2	0.1	-0.1	-0.2
13th	-1.1	0.3	-0.1	0.1	0.3	0.1	-0.1	-0.1	0	-0.2
14th	-0.8	-1.1	-0.1	-0.1	-0.2	0.6	0.2	0.3	-0.2	-0.7
15th	-1.1	0.2	-0.2	0.2	0	0.1	0.3	-0.1	-0.3	0
16th	-0.6	-0.5	-0.1	-0.1	0.3	0	0.3	0.3	0	-0.1
17th	-0.2	0.1	0.1	-0.1	0.4	0.1	0.1	0	0.2	0
18th	0.3	0.2	0.1	-0.1	0.3	-0.5	-0.1	0	0.1	0
19th	0.2	1.3	0.1	0	-0.5	-0.5	0	0	-0.5	-0.4
20th	-0.5	0.1	0.2	0.2	0.4	-0.1	-0.1	0	0.3	0.1

RUN 45   PT 6

V/OR = 0.099	ALFS,U = -10.00	CLRH/S = 0.039483 CTH/S = 0.039968
VKTS = 39.8	MTIP = 0.607	CXRH/S = 0.006244 CP/S = 0.002352

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	17.9		730.6		330.8		1244.5		-41.6	
RMS	133		105		113.9		86.9		76.1	
1/2 P-P	307		249.9		260.3		217.1		145.6	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-31.1	168.7	-14.1	129.2	5.7	136.3	6.2	95.2	20.6	93.6
2nd	7.9	-26.3	9.8	-21.6	28.4	-23.3	28	-24.1	26.4	-2.7
3rd	42.2	-26.2	31.2	-28.3	34.5	-43	24.2	-40.8	7.6	-4
4th	8.8	6.7	17.7	24	21.1	31.6	15.7	30.8	-17	-27.4
5th	-18.4	-9.9	-15.2	-0.5	-18.7	3.2	-6.5	16.3	-16.6	9.2
6th	3.2	-0.3	4.7	1.1	3.6	3.4	-2.9	5	-1.5	9.2
7th	-3	3.2	-2	2.4	-0.9	0.4	3.6	-4.4	0.3	0.5
8th	-2.7	0.6	-0.3	-4.8	1.2	-3.4	3.5	1.7	-0.6	0.6
9th	-0.2	-6.6	0.7	-4.3	0.9	-0.6	1.2	4	1.2	-1.3
10th	-1	0.6	-2.1	1.9	-0.4	-0.1	2	-2.9	-0.6	-0.8
11th	-1	-5.5	-6.5	-9.6	-1.2	-0.6	3.9	5.9	-2.5	0.4
12th	4.6	-1	4.4	-2.9	1.9	-1.6	-2	0.8	-1.3	-1.1
13th	-0.2	-2	-2.3	-2.8	-1.8	-2	0.1	0.8	0.3	-0.7
14th	0.5	0.6	-0.1	2.1	-1.1	0	0.3	0.3	-0.7	-2.9
15th	0.6	-0.2	-1.4	-1.8	-2.5	-1.6	-0.1	-0.2	-0.7	-1.3
16th	0.3	0.1	0.7	0.9	0.6	0.4	0.1	0.6	1	-0.3
17th	0.5	-0.1	0.1	0.2	-0.1	0.1	0.2	0.3	-0.1	-0.2
18th	0.6	0.9	-0.9	-0.5	-1.6	-1.5	-0.6	-0.5	0.5	-0.1
19th	0	0.3	-0.3	-0.8	0.9	-0.1	-0.7	-1.3	1.4	-0.1
20th	2	-1.1	0.2	0.9	-1.2	3.7	-0.6	2.3	0.3	-0.1

RUN 45 PT 7

V/OR = 0.100 ALFS,U =-10.00 CLRH/S = 0.049894 CTH/S = 0.050515
VKTS = 39.9 MTIP = 0.606 CXRH/S = 0.007946 CP/S = 0.002895

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	137		-6		21.1		-26.8		13.2	
RMS	33.2		22.6		26.6		50		26.9	
1/2 P-P	73.2		60.3		50.5		102.5		55.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-15.5	31.5	-14.2	0.6	-13.6	-16	-35.5	-27.4	-7.8	-9.1
2nd	6.8	3.2	-2.5	-1.9	-6.5	-0.9	-29.9	0.5	-30.2	4.1
3rd	-7	9.1	-12	14	-16.8	19.1	-19.2	37.5	-1.7	7.1
4th	-8.7	-16.6	-8.9	-10.6	-7.6	-7	4.4	8.4	15.5	-1.5
5th	2.3	13.2	5	11.7	6	10.1	-2.8	-13.8	-1.5	-4.4
6th	-10.2	0.5	-7.3	1.3	-3.3	1.3	3.7	-1.8	-6	2.8
7th	-1.1	-4.9	-0.7	-3.8	0.5	-1.5	-0.5	0.5	-0.1	-0.1
8th	-3.7	6.1	-1	4.3	0	1.7	-0.7	1.1	1.8	-0.7
9th	-2.6	1	-1.9	1	-1.5	0.8	-0.4	-0.1	0	-0.8
10th	1	-0.5	0.4	-0.3	-0.4	-0.2	0.6	-0.7	-0.7	0.5
11th	-3	7.4	0.2	3.6	0.7	-1.8	0.2	1.9	0.1	-0.9
12th	-2.6	1.4	-0.7	1.2	0.7	0.1	-0.1	0.5	0	-0.2
13th	-1.6	0.5	-0.3	0.4	0.3	0.1	0.1	0	-0.3	0.1
14th	-1.6	-1.9	0	-0.2	0.3	1	0.7	0.5	-0.6	-1.1
15th	2.2	-0.8	0.8	-0.7	-1.5	0.7	-1	0.9	1	-1.1
16th	-1.1	0.3	-0.2	0.3	0.2	-0.4	0.3	-0.3	0.1	0.3
17th	-0.7	-0.5	-0.1	-0.1	0.4	-0.1	0.2	0.2	0.2	0.3
18th	0.4	-0.3	0	-0.1	0	0.3	-0.1	0.2	-0.2	0.4
19th	-0.5	1.2	0.2	-0.1	-0.4	-0.5	-0.1	0	-0.3	-0.7
20th	-1.1	-2	0	0	0.7	0.8	-0.3	-0.3	1.1	0.7

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RUN 45   PT 7

V/OR = 0.100   ALFS,U =-10.00   CLRH/S = 0.049894   CTH/S = 0.050515
VKTS = 39.9   MTIP = 0.606   CXRH/S = 0.007946   CP/S = 0.002895

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	1.2		711.7		312.7		1233.5		-71.7	
RMS	252.4		190.4		188.8		138.1		99.6	
1/2 P-P	476		402.2		423		327.7		190.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-95.6	328.9	-53.3	243.2	-16.3	230	2.5	153.6	8.4	-126
2nd	23.7	0	20.6	-3.9	36.8	-8.2	34.9	-14.3	39.9	9.6
3rd	80.8	-43	58.2	-47.9	59	-68.5	40.3	-62.5	14.4	-8.5
4th	1.7	4.2	9.3	28.8	11.5	40	7.2	39.1	-14.5	-33.6
5th	-27.6	-10.3	-51.9	4.6	-76.5	8.1	-69.1	21.9	-18.5	7.4
6th	4.6	-0.6	6	4.9	2	9.4	-6.2	11.4	-3.5	8.1
7th	-8.9	-4.6	-2.3	3.4	1	5.4	6.4	1	-2.2	1.7
8th	-0.3	1.6	1.7	-2.2	0.9	-1.8	1.1	1.7	-0.9	0.8
9th	9.6	-4.3	6.8	-4.2	2.7	-0.4	-4.7	3.9	1.7	-0.1
10th	6.7	1.8	4.1	1	1.6	0	-2.1	-2	-0.5	-1.3
11th	-0.4	4.1	-0.5	-1.9	-0.9	3.2	0.6	1.7	-2.7	2.7
12th	5.5	7.2	9.5	4.7	4	4.5	-3.8	-1.4	0.1	-0.5
13th	2.7	-5.1	1.3	-9.7	0.1	-6.1	-0.3	2.6	0.5	-0.6
14th	0.9	-0.9	5.4	-2.3	3.5	-4.4	0.3	0.8	-3.2	-5
15th	1.3	-0.7	-0.5	4.6	3	2.5	-0.4	0.5	0.3	2.4
16th	1	-0.3	-0.7	-5.5	-1.4	-5.8	-0.4	-1	1.1	-1.4
17th	0.6	0.3	0.5	0.5	-0.9	-0.5	-0.1	0.6	-1.1	-1.7
18th	3.7	1.5	-2.3	-0.5	-4.7	-1.4	-2.8	0.3	0.5	-0.7
19th	-2.9	4	-1.2	-4.5	0.4	-8.7	-0.5	-6.8	0.8	1.5
20th	-3.3	8.6	-0.3	-2.9	-5.4	-15.4	1	-7.9	0.5	0.1

D-64

RUN 45   PT 8

V/OR = 0.100   ALFS,U = -10.00   CLRH/S = 0.059999   CTH/S = 0.060762
VKTS = 40.0   MTIP = 0.604   CXRH/S = 0.009644   CP/S = 0.003519

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	158.8		8.4		29.8		-20.1		19.6	
RMS	42.3		26.2		30.1		60.6		32.6	
1/2 P-P	79.1		69.4		62.6		117.7		65.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-10.5	45.6	-12.7	4.3	-14.4	-16.8	-47.4	-30.4	-9.7	-8.6
2nd	7.7	4.7	-1.4	-1.9	-4.8	-1.8	-35.2	-1.8	-37.2	4
3rd	-13.3	3.3	-16.3	13	-19.9	20	-20.7	43.9	-3.4	7.6
4th	-11.7	-19.9	-11.4	-12.1	-10	-7.8	5.4	8.9	18.9	-2.1
5th	-1.3	15.6	1.5	17.2	2.6	16.8	1.1	-20.2	1	-7.1
6th	-11.2	-2.6	-9.4	0.1	-5.3	1.3	5.7	-1.9	-6.6	2.8
7th	-3	-3.3	-1.8	-2.5	0.2	-0.7	-0.5	0.7	-1.2	1.2
8th	-6.6	6.1	-3	4.7	-0.8	1.4	-1	1.1	1.5	-0.4
9th	-3.5	1.5	-1.5	1.8	-0.5	1.1	-0.7	0.4	0.6	-1.7
10th	-0.8	1.3	0.2	0.9	-0.1	-0.6	0.5	0.4	-0.5	-0.7
11th	0.9	10.5	2.4	4.8	0.1	-2	1.7	2.5	-1.1	-1
12th	-2.1	2.2	-0.2	1.7	0.7	0	0	0.5	0.1	0.4
13th	-1.5	-0.9	-0.8	0.1	0.1	0.3	-0.2	0.2	-0.1	-0.2
14th	2	-2.6	0	-0.6	-1.2	1.6	-0.8	1.3	0.6	-2
15th	0.1	-0.5	0.4	-0.2	-0.8	0.3	-0.3	0.3	0.6	-0.8
16th	-1.5	-1.4	-0.4	-0.2	0.6	0.2	0.7	0.3	0	0.1
17th	-0.2	-1.2	0.2	-0.1	0.5	0.6	0	0.5	0.2	0.6
18th	0.1	-0.3	0.6	-0.2	0.4	0.2	-0.4	0.1	0.2	0.2
19th	-1.1	2	0	0.2	-0.3	-1	0	-0.3	-0.5	-1.5
20th	-0.9	-1.5	0.2	0.1	0.5	0.5	0	-0.3	0.8	0.4

D-65

RUN 45   PT 8

V/OR = 0.100   ALFS,U =-10.00   CLRH/S = 0.059999   CTH/S = 0.060762
VKTS = 40.0   MTIP = 0.604   CXRH/S = 0.009644   CP/S = 0.003519

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	27.6		718.1		311.4		1226.2		-89.9	
RMS	313.7		237.4		239.6		189.3		118.4	
1/2 P-P	558.4		502		535.5		450.2		235	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-26.2	425.2	1.7	309.8	36	291	46.1	194.1	15.4	151.6
2nd	-2.7	10.6	0.5	3.2	20.4	-1.6	24.9	-11.4	43.5	11.3
3rd	43.3	-112.7	18.2	-105	21.2	-125.3	7.8	-107.2	10.1	-22.1
4th	-4.9	-1	1	30.4	3.2	43.8	-2.3	44.3	-16.7	-38
5th	-13.1	-5.3	-13.1	56.2	-19.9	93.8	-10	125.5	-17.8	7.4
6th	13.1	-8.7	6	8.6	-3.2	21.6	-17.5	26.9	1.7	9
7th	-14.5	3.3	-2.4	6.3	4	5.1	9.6	-1.3	-2.3	2.8
8th	4.3	1.9	6.7	-2.3	3.5	0	-1.4	4.5	1	1.5
9th	-6.8	0.4	-0.5	-0.6	2.9	-0.5	5.8	1.1	-0.5	-2.3
10th	-9.2	0.1	-6.6	-0.2	-1.1	0.3	6.2	-0.5	-1.4	-0.1
11th	1.9	-10.8	-5.6	-17.4	0	-2	3.5	10.4	-1.1	4.1
12th	1.3	-6.6	-1.3	-10.4	-1.9	4	-0.2	4.2	-0.1	-0.6
13th	2.7	-2	4.8	-3.5	3.1	-1.9	-2.2	1.1	0.8	0
14th	0.7	-0.3	-2.4	3.9	0.7	-0.4	-0.7	0.7	4.1	-2.5
15th	-0.4	-0.7	1.5	-3.1	3.2	-4.9	0.4	-0.2	-0.5	-0.5
16th	0.3	0.7	1.9	1.3	0.1	-0.4	0.7	0.5	0.7	-0.4
17th	-0.4	0.3	1.7	0.7	2	-1.6	1.1	0.9	0	-1.3
18th	-3	0.5	1.3	1.7	5.1	0	2.2	0.7	-0.1	-0.8
19th	3	1.3	-1.4	-1.1	-2.9	3.3	-3	-2	-1.1	0.2
20th	-4	1.7	1.8	-1	3.2	-7.2	5.2	-3.4	-0.4	-0.8

RUN 45   PT 9

V/OR = 0.100   ALFS,U =-10.00   CLRH/S = 0.069570   CTH/S = 0.070472
VKTS = 40.0   MTIP = 0.604   CXRH/S = 0.011279   CP/S = 0.004201

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	179.8		22.6		38.1		-13.6		26.5	
RMS	48.7		29.7		33.6		68.8		38.1	
1/2 P-P	85.3		74.9		67.4		132.1		77	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-6.1	52.4	-11.4	5.3	-13.8	-18.7	-57.7	-33.8	-11.5	-9
2nd	11.7	8.1	1.1	-1	-2.8	-2.1	-40	-4.9	-44	2.7
3rd	-20.7	3.4	-21.9	13.6	-25	20.5	-23.3	45.7	-5.2	7.2
4th	-14.1	-20.3	-13.2	-12.7	-11.4	-8	6	9.3	22.3	-1.6
5th	-3.3	17.1	0.3	20	1.9	20.3	1.9	-23.5	2.6	-8.1
6th	-13.5	-6.9	-10.9	-2	-6	0.4	6.4	-1.6	-7.7	2.3
7th	-4	-2	-2.7	-1.1	-0.5	0	-0.6	0.2	-2.6	1.7
8th	-5.1	4.2	-2.6	3.8	-0.9	1.4	-0.7	0.4	1.2	-0.3
9th	-3.8	2.2	-1.4	2	-0.2	0.7	-0.6	0.9	1.2	-2.1
10th	-1.4	3.2	-0.3	1.6	-0.1	-1.2	0.2	1	0.1	-1.2
11th	1.9	9.9	2.9	4.4	-0.1	-1.7	2.1	2.2	-1.4	-0.6
12th	-3.2	1.6	-0.7	1.3	0.7	-0.4	-0.2	0.3	-0.2	0.7
13th	-1.7	-1.5	-1.1	-0.3	-0.2	0.3	-0.4	0.2	-0.2	-0.4
14th	2.6	-2.2	0.2	-0.8	-1.5	1.6	-1.3	1	1.1	-2
15th	0.5	1.9	0.8	0.4	-0.8	-0.8	-1	-0.6	1.3	0.3
16th	-2.2	-1.8	-0.9	0	1	0.6	1.2	0.3	-0.3	0.5
17th	0.1	-1.1	-0.1	-0.3	0.3	0.5	0	0.5	-0.4	0.4
18th	0.5	0.8	0.1	0.1	-0.3	-0.1	-0.3	-0.4	-0.8	0
19th	-1	1.6	-0.1	0.3	0.1	-0.7	0	-0.3	-0.3	-1.3
20th	0.5	0	-0.1	0.2	-0.6	-0.2	0.2	-0.1	-0.5	-0.1

RUN 45   PT 9

V/OR = 0.100   ALFS,U = -10.00   CLRH/S = 0.069570   CTH/S = 0.070472
VKTS = 40.0   MTIP = 0.604   CXRH/S = 0.011279   CP/S = 0.004201

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	45.6		719.9		307.2		1219		-110.1	
RMS	339		255.9		258.9		202.2		134.3	
1/2 P-P	573.1		511.6		541.6		435.2		257.5	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	16	465.2	37.4	339.4	72.6	321.5	81.5	215.9	24.9	170.9
2nd	8.4	24.8	8.3	11.5	26	5.2	29.4	-8.6	50.4	18.9
3rd	16.7	-103.2	-6.5	-99	-2.9	-123.5	-14.2	-108.5	9.1	-24.9
4th	-21.4	6.7	-17.1	45.6	-18.6	62.6	-23.7	63.6	-20.5	-35.2
5th	-7.2	-21.1	3.7	28.2	8.1	56	20.8	89.2	-18.6	8.2
6th	2.8	-16.9	8.6	13.4	9	33.8	-1	42.2	0.2	6.8
7th	-7	6.2	-0.1	6.3	1.6	4.4	2.1	-1.3	-0.8	3.4
8th	5.8	-1.4	7.5	-2.3	5.5	0.5	1.2	5.6	2.5	-3.3
9th	-6.4	7.5	0.8	2.5	3.7	0	5.9	-2	0.6	1
10th	-6.2	13.5	-1.8	7.1	0.7	2.8	3.7	-6.2	1.4	1.1
11th	0.7	-10.5	-7	-16.5	-0.3	-1.9	5	9.9	-3.1	3.7
12th	-3.9	-1.8	-4.5	-3.8	-4.4	-0.2	1.3	1.1	-1.8	0.6
13th	-0.7	0.5	-1.7	1.5	-2	0.4	-0.6	-0.5	0.4	1.3
14th	1	0.1	-1.9	3	1.7	-1.7	-1.4	0.1	6.7	-3.3
15th	-0.4	0.7	-4.4	-2.8	-1.6	-1	-0.3	-0.4	-3.2	0.5
16th	0.7	1.2	1.9	1.6	-1.8	0.5	0.4	1.3	3.5	1.8
17th	0	2.8	1.5	-0.8	1.3	-4.6	0	-0.8	-1.7	0
18th	1.8	2.1	-0.6	-0.1	-0.1	0	-1.7	-0.3	1.3	-0.7
19th	0.7	-1.5	1.4	-0.6	2.1	4.7	0.3	-0.7	-0.8	-1.6
20th	8.3	4.1	-3.9	0.9	-13.4	2.7	-10.9	1.7	3	0.7

RUN 45　　PT 10

V/OR = 0.100　　ALFS,U = -10.00　　CLRH/S = 0.079986　　CTH/S = 0.081048
VKTS = 40.0　　MTIP = 0.605　　CXRH/S = 0.013112　　CP/S = 0.005036

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	204.9		39.3		49.8		-5.7		34.7	
RMS	57.3		32.4		36.1		77.7		43.7	
1/2 P-P	106		75.7		73.3		148.9		86.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	1.3	62.2	-8.9	7.5	-13.8	-20.2	-68.3	-38.1	-12.9	-9.8
2nd	18	12.6	4.9	0.3	0.4	-2.3	-45.2	-9.9	-51	0.7
3rd	-23.9	5.2	-26.1	15	-29.6	21	-27.6	47.6	-8.2	6.7
4th	-14.6	-23.2	-13.7	-14.8	-11.8	-10.1	5.5	11.4	24.9	-0.7
5th	-1.4	14.7	0.7	18.6	1.2	19.4	2.3	-22.9	5.2	-7.4
6th	-14.8	-9.1	-11.7	-3.6	-5.9	-0.3	6.5	-0.7	-8.2	2.3
7th	-5.2	-6.6	-4.1	-3.7	-1.4	-0.8	-0.4	-0.3	-5	0.7
8th	-3.1	2.7	-1.7	3	-0.8	1.8	-0.2	0.1	0.6	-0.9
9th	-5.3	2.4	-2.7	2.4	-0.9	0.9	-1.3	1.2	2	-2
10th	-2.1	3.2	-1.5	1.5	-0.8	-0.9	-0.8	0.9	1.3	-1
11th	0.7	15.3	2.6	7	-0.6	-2.5	2	3.6	-1.6	-1.6
12th	-5.1	0.2	-1.7	0.9	1.3	-0.2	-0.7	0.2	-0.5	0.7
13th	-2.1	-1.8	-1.5	-0.5	0.2	0.5	-0.7	0	-0.3	-0.6
14th	4.1	-1.5	0.5	-0.4	-2.1	1.4	-1.9	1	2.1	-1.8
15th	1.8	2.2	1.5	0.4	-0.9	-0.5	-1.4	-0.7	2.2	0.5
16th	-2.1	-2.7	-1	-0.2	1	0.7	1.1	0.7	-0.4	0.3
17th	0.7	-0.8	0.1	-0.1	-0.1	0.4	-0.4	0.5	-0.6	0.5
18th	0.7	0.7	0.1	0	-0.3	-0.4	-0.4	-0.2	-0.9	-0.2
19th	-0.8	0.6	0	0.5	0.3	-0.7	0	-0.5	-0.1	-0.7
20th	1.4	0.7	-0.2	0.3	-1.2	-0.2	0.5	-0.2	-1	0

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RUN 45   PT 10

V/OR = 0.100 ALFS,U =-10.00 CLRH/S = 0.079986 CTH/S = 0.081048
VKTS = 40.0   MTIP = 0.605   CXRH/S = 0.013112   CP/S = 0.005036

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	77.2		731.1		304.9		1210.7		-125.8	
RMS	355.3		271.3		285.6		228.8		152.5	
1/2 P-P	585.6		503.8		565.9		470.6		280.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	44.4	485.8	61.9	352.3	104.8	342.4	116.2	231.8	31.9	194.2
2nd	30.1	39.1	22.8	19.7	38.7	13.9	39.7	-2.8	62.1	31.6
3rd	26.6	-90.7	-3.5	-94.4	-1.7	-123.9	-18.9	-112.2	6.4	-27.8
4th	-32.8	25.3	-32.3	73.8	-39.2	96.9	-43.7	95.9	-17.5	-37.3
5th	-10.8	-25.7	-22.6	27.7	-32.4	55.3	-23.7	90.1	-13.8	6.8
6th	-3.5	-15	10	16.2	14.6	35.5	7.6	41.6	-0.9	9.4
7th	0.2	-0.8	2	7.8	-1.9	10.5	-6.2	6.8	-2	0.6
8th	5	-2.2	5.8	-1	5.6	0.9	4.3	6	5	-1
9th	3.6	4.3	7.7	-1	5.4	-0.7	0.3	1	-0.7	-1.5
10th	2.8	22.6	6.8	12.2	3.6	5.1	-2.5	-10	2	0
11th	6.9	0	0.5	-13.5	3	1.8	1.1	8.4	-0.6	2.4
12th	-6	0.6	-4.8	0	-6.6	0.9	1.4	-0.8	-1.5	-0.5
13th	-4.2	-0.7	-7.2	0.8	-6.7	-0.6	0.4	-1.2	-0.5	2.4
14th	1.3	0.2	-0.9	4.7	4.7	0.9	-2.1	0	7.1	0.4
15th	-0.2	0.2	-3.4	0.4	1.8	1.9	0	-0.5	-2.3	-0.8
16th	1.1	1.4	7	1.5	2.8	-0.6	1.4	0.7	2.3	1.1
17th	0.9	-1.1	1	0.8	2.2	-0.1	-0.4	1.1	-0.8	0.1
18th	0.7	1.7	-1.2	-0.6	0.2	-1	-2.2	-0.7	-0.7	1.1
19th	1.9	-1.9	1	-0.4	1.1	4.3	-0.4	0.8	-0.8	-0.2
20th	2.9	-2.3	-0.9	0.3	-0.6	4.4	-4.3	3.9	-0.1	0.9

D-70

RUN 45   PT 11

V/OR = 0.100	ALFS,U = -10.00	CLRH/S = 0.088857 CTH/S = 0.090024
VKTS = 40.0	MTIP = 0.604	CXRH/S = 0.014499 CP/S = 0.005821

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	228.5		54.6		59.4		1.6		42.1	
RMS	62.9		34.7		38.9		83.8		48.1	
1/2 P-P	115.4		80.4		80.6		156.9		95	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	8.2	68.3	-6.4	8.7	-13.4	-21.5	-76.2	-41.2	-14.6	-10.7
2nd	25.7	13.9	8.9	0.2	3.3	-3	-48.6	-14.4	-56.2	-1.1
3rd	-28.7	8.6	-30.8	16.7	-34.9	21.5	-30.9	47.7	-9.7	6.2
4th	-12.4	-22.4	-13.4	-15	-12.3	-10.5	5.3	12.4	27.2	-0.1
5th	1.6	12.8	2.9	17	2.5	18.5	0.8	-21.9	6.2	-7.1
6th	-15.9	-7.8	-11.9	-3.8	-5.6	-1.3	6.6	0.6	-8.8	2.8
7th	-2.9	-6.6	-2.9	-4	-1.4	-0.7	0	-0.2	-6.1	0.9
8th	1.3	-0.2	1.5	0.1	0.7	0.6	0.4	-0.1	1.4	-1.6
9th	-6.8	2.2	-4.1	2	-1.3	0	-1.9	1.5	2.3	-2.7
10th	-2.7	1.4	-2.7	1.3	-1.1	-0.4	-1.6	0.7	2	-0.6
11th	2.2	12.4	3.1	5.2	-0.7	-2	2.1	2.6	-1.5	-0.8
12th	-7	0.8	-3.3	2	1.1	-0.1	-1.1	0.9	-0.4	0.2
13th	-2.3	-2.5	-2.1	-0.4	0.1	0.7	-0.6	0.5	-0.5	-0.7
14th	3.8	-2	0.6	-1.3	-1.8	1.2	-1.6	0.9	1.9	-2
15th	1.2	3	1.8	0.4	-0.8	-1.2	-1.3	-1.3	2.3	1
16th	-2.4	-2.4	-0.8	0.4	1.3	0.8	1.6	0.3	-0.3	0.9
17th	1.6	-1.2	0	0.3	-0.5	0.8	-0.6	0.5	-0.8	1
18th	2	1.1	0	0.2	-1.1	-0.3	-0.6	-0.2	-1.8	-0.1
19th	-1.8	1.2	0.1	0.4	0.6	-1.1	0	-0.6	0.3	-1.4
20th	5	-1.6	0	0.3	-1.8	2.2	0.7	-0.7	-1.7	2.1

RUN 45   PT 11

V/OR = 0.100   ALFS,U =-10.00   CLRH/S = 0.088857   CTH/S = 0.090024
VKTS = 40.0   MTIP = 0.604   CXRH/S = 0.014499   CP/S = 0.005821

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	100.3		733.6		299.2		1197		-141.5	
RMS	384.4		298.3		318.2		255.5		169.5	
1/2 P-P	602.2		536.7		584.3		497		307.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	95.2	521.2	103.5	378.2	147.5	371.5	156	253.5	49.9	212.5
2nd	56.6	28.8	41.6	10	55.4	7.8	52.6	-7	75.3	37.3
3rd	30.3	-67	-1.6	-81.5	-1.5	-116.9	-23.4	-109.9	0.1	-25.1
4th	-17.8	47.6	-17.3	102.8	-24.4	133.2	-31.7	131	-14.4	-38.9
5th	-18.8	-38.9	-47.8	1.1	-67.5	16.6	-58.2	48.9	-13.1	1.3
6th	-13.3	-2.2	5.1	16.8	12.3	27.7	8.2	26.8	-6.4	11.7
7th	6.7	-2.6	-0.1	7.2	-9.2	11.7	-15.2	9.9	-3.8	0.9
8th	-6.8	-1.3	-3.2	2.3	1.7	1.7	11.1	2.3	2.9	-0.7
9th	7.2	9.7	11.3	1.7	5.8	0.5	-4.4	-1.6	-1.3	-0.5
10th	10.8	12.6	10.8	5.5	5.5	1.8	-5.3	-5	2.3	-2.3
11th	-3	-1.5	-8.8	-10.5	-0.8	2	5.7	7.6	-0.9	3.4
12th	-1.7	29.6	10.2	31.1	-0.1	20.3	-5.5	-12	0	-0.4
13th	-0.6	-2.9	-2.4	-2.8	-4.1	-3.4	-1.8	0.4	3.4	0.1
14th	0.8	1.5	1.9	4.8	6.7	0.1	-1.8	-0.7	3.7	1.7
15th	0.5	1	-1.8	3.4	2.8	7.3	1	-0.7	-5.5	1.4
16th	0.2	0.4	6.3	-3.6	3	-5.3	2.3	0.8	4.5	-1.4
17th	0.9	-1.9	-0.5	3.2	1.2	2.9	-1.8	3.3	1.1	0.1
18th	1.7	1.3	-1.8	-2.9	1.4	-3	-3.9	-1.7	1.8	0.3
19th	-0.3	-3.1	1.8	-1.2	3.6	5.4	2.9	-0.5	-0.9	0.3
20th	5.6	-7.5	-0.7	6.3	4.4	10.6	-4.6	15.8	2.8	-1.1

RUN 45   PT 12

V/OR = 0.100   ALFS,U = -10.00   CLRH/S = 0.099163   CTH/S = 0.100513
VKTS = 40.0   MTIP = 0.605   CXRH/S = 0.016447   CP/S = 0.006924

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	257.9		73.3		71.8		9.4		52	
RMS	72.6		36.5		40.6		88.4		52	
1/2 P-P	129.5		86.6		87		166.9		100.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	18.7	78.5	-1.8	11.3	-12.6	-23.6	-82.3	-44	-16.8	-11.7
2nd	35.5	19.1	14.4	1.9	7.1	-2.4	-52.5	-21.8	-60.9	-5.1
3rd	-30.3	11.6	-34.3	16.6	-39.9	19	-35.3	42.4	-11.1	4.1
4th	-8.9	-21.7	-11.5	-15.6	-11.4	-11.7	4.1	13.1	28.6	2.4
5th	2.1	9.8	1.2	13.7	-0.4	15	3.5	-18	8	-5.5
6th	-15.3	-4.5	-10.8	-2.4	-5.3	-1.6	6.2	1.9	-8.9	2.4
7th	-1.4	-9.9	-2.6	-6.3	-1.4	-1.4	0.3	-0.8	-6.9	-0.4
8th	1.9	0.5	2.1	0	0.9	0.1	0.9	0.5	1.1	-1.9
9th	-7	1.7	-4.9	1.3	-1.8	-0.3	-2	1.4	2.8	-2.7
10th	-5.7	-1.9	-5.1	0.1	-1.4	-0.2	-3.1	-0.1	3	0.5
11th	1.1	11.7	2.3	5.2	-0.2	-2.3	1.8	2.7	-1.6	-0.5
12th	-9.6	0.7	-4.7	2.2	1.7	-0.2	-1.2	1	-0.7	-0.1
13th	0.3	-3.6	-2.1	-0.6	-0.8	1.6	-1.4	1	0	-1.9
14th	7.4	0.6	1.5	-1.5	-3.6	0.1	-3.1	0.1	3.7	-1.3
15th	-0.8	4.8	1.1	1.7	-0.3	-1.8	-0.6	-2.5	1.7	2.6
16th	-1	-5.5	-1.3	-0.7	1.2	1.9	1.8	2	-1	0.1
17th	1.9	-0.5	-0.2	0.1	-0.9	0.5	-0.7	0.2	-1.5	0.5
18th	1.1	2.3	-0.1	0.5	-0.8	-0.9	-0.6	-0.8	-1.6	-0.7
19th	-2.1	-0.6	-0.1	0.6	1	-0.4	0.3	-0.6	1.2	-0.7
20th	3.8	1.6	-0.5	0.4	-2.2	0.5	0.8	-0.4	-2.2	0.6

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RUN 45 PT 12

V/OR = 0.100 ALFS,U =-10.00 CLRH/S = 0.099163 CTH/S = 0.100513
VKTS = 40.0   MTIP = 0.605   CXRH/S = 0.016447 CP/S = 0.006924

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	140.5		750.6		299.8		1195		-158.4	
RMS	409.8		321.5		351.2		287.4		191	
1/2 P-P	614.4		566.1		636.5		548.1		339.8	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	105.7	552.3	113.7	401.8	166.3	401.9	179.9	276	60.8	235.2
2nd	84.8	30.2	60.6	8.3	72.4	9.4	67.4	-3.9	92.7	53.8
3rd	45.4	-39.1	8.9	-68.4	8.5	-109.4	-19.3	-109.2	-3.8	-17.9
4th	-20.2	62.7	-26.4	121.6	-39.2	153.9	-46.7	150.5	-11.5	-39.7
5th	-16.7	-44.8	-74.6	-18.1	-110.8	-12.4	-110.9	16.4	-6.1	-3
6th	-16.9	10	2.1	10.9	9.8	9.1	8.7	3.2	-8.7	12.7
7th	8.9	-9.1	-1.9	8.5	-11.9	17.9	-19	17.1	-5.9	0
8th	-6.4	6.6	-3.9	5.3	-0.5	1.6	8	-2.6	0.9	-0.1
9th	5.5	5.6	8.9	0.9	4.2	2	-6.2	0.8	1.2	2.1
10th	20.1	12.6	21	6.2	7.2	2.5	-15.2	-5.6	2.7	-2.6
11th	0.8	3	-2.6	-7.4	1.7	3.3	3	5.4	-1.5	2.9
12th	1	26.7	15	25.8	0.4	17.7	-6.9	-10.7	-1.1	-0.2
13th	-5.7	1	-9.9	7.1	-7.9	1.3	-0.5	-1.7	6.1	-1
14th	0.4	1.9	-2	1.9	8.4	-1.4	-2.2	-1.9	5.6	5.8
15th	0.3	1.2	-4.8	4.2	-2.9	12.1	0.7	-0.6	-8.7	-1
16th	1	1.2	4.2	-1	-1.7	-8.7	0.2	1.5	5.2	-0.3
17th	1.8	-0.6	-1.7	2.3	-0.6	1.8	-3	2.2	-0.1	0.8
18th	2.1	0.3	-2.2	-1.8	-0.7	1.9	-4.2	-1.7	0.2	-0.4
19th	1.1	-2.2	1.2	-0.4	-1.5	5.3	1.9	1.4	-1.1	-1.3
20th	11.6	-8.5	-5.2	5.7	-4.4	21	-13.1	17.2	2.2	1.3

RUN 45 PT 13

V/OR = 0.100 ALFS,U =-10.00 CLRH/S = 0.108541 CTH/S = 0.110049
VKTS = 40.0 MTIP = 0.605 CXRH/S = 0.018180 CP/S = 0.008222

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	281.8		90.4		83.5		15.2		60.3	
RMS	81.8		39		41		89.2		52.9	
1/2 P-P	165.6		93.9		85.8		175.6		113.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	25.4	88	1.4	13.8	-11.1	-23.7	-87.2	-43.2	-18.2	-12.2
2nd	42.8	23.2	19.7	3.2	11.5	-2.2	-49.9	-29	-60	-11.6
3rd	-29.2	15	-33.3	17.4	-39.7	18.1	-30.6	37.9	-12.3	0.9
4th	-6.9	-20.9	-10.1	-17.2	-10.3	-14.3	5.4	12.1	28	7.9
5th	-2.9	11.9	-4.6	13.4	-6.4	12.5	8.8	-16.3	12	-2.8
6th	-11.7	-2.1	-10.5	-1.4	-6.4	-1	6.4	2.4	-6.9	-0.2
7th	4.9	-10.1	1	-6.4	-0.4	-1.1	1.4	-1.4	-7.1	-2.7
8th	2.9	10.4	3.8	6.9	0.8	2.4	1.4	2.6	-0.1	0.5
9th	-6.3	0.5	-5.2	0.2	-2.5	-0.8	-2.2	0.8	3.4	-1.2
10th	-4.9	-7.6	-5.2	-3.4	-1.1	-0.1	-3.4	-2.9	4	2.4
11th	-4.5	10.6	-0.4	5.7	0.8	-2.3	0.2	3.5	-1.1	-1.7
12th	-9.2	-4.2	-5.6	0	1.7	0.4	-1.9	0.9	-0.8	-0.7
13th	1.5	-4.4	-0.7	-1.5	-0.4	1.6	-0.7	0.7	0.3	-1.7
14th	6.5	4.4	1.5	-0.3	-3.6	-1.5	-3.2	-1.2	4.3	0.7
15th	-1.4	3.3	0.4	2.1	-0.1	-1.5	0	-1.7	0.9	2.3
16th	-0.3	-1.6	-0.7	0.4	0.2	0.5	0.5	0.5	-1.5	1
17th	1.7	0.3	-0.3	-0.2	-0.6	-0.4	-0.5	0	-1.3	-0.2
18th	0.8	1.7	-0.4	0	-0.6	-0.8	-0.3	-0.3	-0.7	-1.1
19th	-0.9	-0.3	-0.4	0.3	0.7	-0.3	0.4	-0.3	0.4	-0.5
20th	2.3	3.7	-0.3	0.4	-2.6	-1.1	0.8	0	-2.2	-0.8

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RUN 45   PT 13

V/OR = 0.100	ALFS,U = -10.00	CLRH/S = 0.108541 CTH/S = 0.110049
VKTS = 40.0	MTIP = 0.605	CXRH/S = 0.018180 CP/S = 0.008222

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	162.8		759		300.7		1195.7		-187.7	
RMS	437		341.3		373.4		299.3		228.4	
1/2 P-P	652.8		626		677.8		580.9		452.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	132.4	586.7	133.4	422.5	187.4	424.3	198.6	283.4	81.8	275.6
2nd	74.9	30.9	42.4	14.4	50.6	22.6	47.3	13.2	118.4	60.7
3rd	55.6	-7.4	22.9	-44.4	22	-88	-7.6	-91.4	-18.9	-23.9
4th	-1.8	65.7	-0.6	114.5	-10.2	145.7	-17.4	138.1	-23.8	-29.6
5th	-3.6	-63.7	-69.8	-87.5	-104.1	-113.3	-115	-92.5	-0.3	9.5
6th	-6.3	12.4	-6.2	4.3	-5.9	-2.9	-13.3	-9.2	4.9	11.3
7th	9.6	-2.1	-5.2	13.8	-14.8	17.2	-19.4	11.8	-3.1	-9.2
8th	3.1	5.1	1.4	-2.3	1.9	-0.2	5.6	7.2	-6.7	3.2
9th	8.6	3.7	11.3	-2.6	5.2	-1.1	-8.4	-1.6	1.8	7.6
10th	5.7	-8.6	3.7	-3.8	-1.7	-2.2	-7.5	3.2	2.4	-2.3
11th	-12	0.1	-10.6	-6	-5.6	5.5	6.3	8.2	-4.1	1.6
12th	-8.5	40.4	11.2	48.8	-2	27.9	-4.6	-20	-1.7	1.2
13th	-0.8	2.4	0.5	5.1	1.1	-1.3	-0.5	-2.4	2.5	-1.4
14th	1.6	2.9	-3.7	-0.2	6.4	2.4	-2.3	-2.5	6	11.4
15th	0	0.4	-1.5	1.9	-1.1	9.4	0.1	0.7	-2.9	-3.6
16th	0.7	0.8	-1.4	1.4	-3.7	1.7	-2.4	2.1	1.8	-0.1
17th	1.9	-0.4	-1.3	0.1	0.2	1.1	-3	0.8	0.6	1.8
18th	0.9	-0.9	0.4	-0.4	2.7	3.5	-1	-0.2	0.5	2.7
19th	1.9	0.2	-0.6	0.1	-5.2	2.6	-1.6	0.5	1.4	0.4
20th	18.5	-0.3	-9.2	1.9	-21.5	18.3	-24.4	8.8	0.6	0.6

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RUN 45   PT 14

V/OR = 0.100   ALFS,U = -10.00   CLRH/S = 0.118274   CTH/S = 0.120002
VKTS = 40.1   MTIP = 0.606   CXRH/S = 0.020301   CP/S = 0.010033

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	304		107.4		94		13.5		67.6	
RMS	97.4		45.3		42.8		85.5		50.3	
1/2 P-P	219.5		105.5		98.2		175.3		130.5	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	42.4	102.1	10.1	17.9	-4.4	-22.3	-83.8	-30.4	-19.3	-6.8
2nd	43.9	20	21.5	-0.2	14	-7.8	-41.7	-45.8	-53.3	-20
3rd	-28.4	22.5	-32.8	20.9	-40.5	20	-31.6	29.5	-11.1	-7.6
4th	9.6	-25.5	3.7	-22.7	2.1	-19.1	-2.5	17.3	20.9	11.7
5th	3.8	-3.4	-1.1	-2.6	4	-1.4	8.1	-2.5	10.3	7.9
6th	-3.5	-10.2	-5.2	-9.9	-3.8	-7.1	3.8	7.1	-3.2	0.8
7th	1.6	-16.7	-3.2	-12.7	-3	-6.1	3.7	0.9	-6.5	-9.1
8th	-2	10.3	-0.5	7.6	-0.9	2.4	0.9	3.3	-1.9	-2.3
9th	-3.9	-1.2	-5.1	-0.7	-3.1	-0.9	-1.5	-0.8	1.7	2.1
10th	-0.4	-12.5	-3.1	-7.7	-1.1	-0.5	-1.5	-5.4	2.7	6.7
11th	-16.1	7.8	-7.1	6	2	-2.4	-3.8	3.9	2	-2.6
12th	-6.2	-8.5	-5.4	-2.3	0.7	1.7	-2	0	-0.1	-2.5
13th	2.8	-1.6	-0.4	-1.2	-1.3	0.7	-1.4	0.1	1.5	-1.3
14th	3	9.7	1.3	2.2	-2.5	-3.5	-2.6	-3.2	3.4	3.9
15th	-3.5	1.6	-1.1	1.7	0.9	-0.4	1.2	-1.1	-1.3	2.2
16th	2.4	0	-0.3	0	-1	0.6	-0.7	0.6	-0.6	-0.5
17th	-0.9	2.3	-1	0.7	-0.1	-0.9	0.3	-0.9	-1.2	-1.3
18th	-1.5	1.4	-0.1	0.6	0.8	-0.7	0.2	-0.4	0.5	-0.9
19th	2.5	-0.4	-0.2	0.2	-0.7	1	0.3	0.7	-1.3	1.2
20th	-0.3	0.6	0.1	0.1	0.2	0	0.4	0.4	0.2	0.6

RUN 45　　PT 14

V/OR = 0.100　　ALFS,U = -10.00　　CLRH/S = 0.118274　　CTH/S = 0.120002
VKTS = 40.1　　MTIP = 0.606　　CXRH/S = 0.020301　　CP/S = 0.010033

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	183.5		787		332.9		1242.5		-248.3	
RMS	462		355.3		387.7		300.3		289.5	
1/2 P-P	699.9		736.4		843.6		726.9		533.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	200.7	606.9	166.4	422.9	206.3	421.4	195.8	255.1	151.8	344.7
2nd	23.4	30.6	1.3	32.5	16.4	55.2	19.4	55.5	128.9	31.2
3rd	66.5	6.6	31	-42.6	29.4	-89.3	-0.3	-92.6	-29	-5.5
4th	14.1	72.6	30.9	129.1	33.6	166.7	38.8	153.4	-4.6	-41.2
5th	-6.8	-20.7	-51.9	-30.1	-76.3	-41.1	-82.6	-39.4	-6.4	1.5
6th	7.9	14.3	0.6	21.1	-6.7	30.2	-16.4	20.1	-4.9	29.7
7th	7.1	6.2	-2.7	12.5	-9.7	10.1	-19.9	-5.6	1.9	5.3
8th	-5.1	0.8	-6.4	-1.6	-2.5	3.4	1	14.4	6.3	-2.1
9th	10	8.1	11.9	7.9	7.4	9.6	-6.9	7.5	5.6	1.8
10th	6.7	16.1	12.9	18.9	7.4	4.7	-1.4	-16.7	-1.2	-2.2
11th	9.4	16.6	22.9	0.3	4.9	6.2	-12.2	-2.4	-6.6	4.3
12th	-13.4	24.3	-2.6	37.1	-9	15.6	-1.4	-16.1	4.1	-2.6
13th	-4.2	-2.5	-10.6	-0.9	-4.8	-2.7	0.7	0.7	4.2	1.9
14th	0.1	-2.8	-6.8	-7.8	3.7	4.8	-0.1	-1.9	-0.8	10.9
15th	0.3	-0.1	-3.8	-1.9	-8.5	2.9	0.3	0.4	-4.1	-6.3
16th	0.1	-0.4	2.7	1	6.4	-0.6	-2	0.7	5.8	3.4
17th	3.4	0	-1.6	-0.7	-4.3	4.1	-2.9	-0.5	3.5	2.2
18th	-3.7	1.7	5.5	-6	6.9	-7.3	5.5	-5.8	0.2	-2.1
19th	3.4	3.6	-1.6	-0.8	-4.5	-6.4	-5.2	-0.8	-1.5	-1.3
20th	18.1	1.6	-6.3	2.9	-25.9	13.3	-18.8	9.7	-0.2	0.4

RUN 44 PT 6

V/OR = 0.102 ALFS,U = -2.00 CLRH/S = 0.037868 CTH/S = 0.037875
VKTS = 40.6 MTIP = 0.604 CXRH/S = 0.000860 CP/S = 0.001301

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	111.5		-31.7		8.7		-49.6		-3.7	
RMS	29.2		26.3		27.4		43.4		17.1	
1/2 P-P	73.6		61.6		61.3		87.7		43.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-12.4	9.4	-13.5	-6.3	-13.1	-13.7	-2.6	-26.2	-0.1	-8.2
2nd	-9.5	-5	-18.5	-1.2	-25.9	2.2	-38.4	11.5	-15.1	5.3
3rd	-8.4	7.8	-9.6	9.6	-9.8	12.2	-13.9	32.7	-1.2	6.3
4th	-16	-1.8	-14.2	2	-11.8	3.1	5.9	1.6	8.7	-3.4
5th	-1.9	-0.3	-0.9	-0.2	-0.2	1.7	0.3	-4.4	-1.1	-1.8
6th	-7.7	6.7	-5	6.5	-4.1	3.7	2.3	-5.5	-3.3	3.1
7th	-7.2	6.4	-4.6	6	-1.8	1.6	-0.7	-0.5	-1.5	2.9
8th	3.3	11.8	3.8	7.7	1.9	1.8	0.2	2.4	2.6	0.5
9th	0.6	7.2	2	4.8	1.1	1.2	0.5	2	0.6	-1.6
10th	0.1	0.8	0.5	0.3	-1	0.2	0.1	-0.5	-0.8	0.3
11th	21.6	-11	9.7	-9.7	-1.6	0.3	5.5	-6.7	-4.4	6.1
12th	1.7	2.2	1.4	0.3	-0.3	-1.2	0.2	-0.4	0.8	0.9
13th	-0.6	-2.3	-0.8	-0.7	0	0.5	-0.2	0.4	0.1	-0.9
14th	0.9	-3.4	-0.7	-0.9	0.2	0.5	-0.3	1.5	-1	-2.2
15th	1.9	3.7	1.3	0.6	-0.9	-1	-1.8	-1.3	0.9	1.2
16th	-5.7	1.3	-1	1.6	2.3	-0.9	2.2	-2.2	-0.1	1.8
17th	-0.6	-1.1	0.1	-0.2	-0.1	1.8	0.6	0.3	0.9	-0.1
18th	2.6	0.6	0.6	-0.3	-1.3	0.2	-0.8	0.2	-1.4	0.5
19th	1.7	4.1	0.3	0	-1.8	-1.4	-0.7	-0.4	-2.9	-0.8
20th	-1.1	-1.8	-0.4	0.2	0.3	-0.1	0	-0.5	0.7	0.3

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RUN 44   PT 6

V/OR = 0.102   ALFS,U = -2.00   CLRH/S = 0.037868   CTH/S = 0.037875
VKTS = 40.6   MTIP = 0.604   CXRH/S = 0.000860   CP/S = 0.001301

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	29.2		747.5		363.9		1261.9		-4.4	
RMS	98.7		84.9		104.2		94.4		72.1	
1/2 P-P	195.8		200.5		220.2		208.1		143.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-37.8	114.5	-16.9	84.2	-2	93.3	-10.9	66.4	0.3	93.3
2nd	19.9	-56.9	31	-49.5	68.2	-57.2	66.2	-50.3	23.3	-10.9
3rd	4.8	-26	-1.3	-26.8	0.3	-42.1	-5.4	-40.7	7.3	0.3
4th	7.6	8.2	11.7	25	11.2	31	0.6	36	-19.3	-16.6
5th	1	-0.8	24.6	1.9	38.3	4.1	43.7	3.2	-5.6	4.7
6th	-2.9	-5.5	5.4	-2.4	10.3	4.7	8.9	11.6	2.9	7.5
7th	4	-8.6	5.7	-5.6	3.2	3.3	-4	15.4	-1.8	2.3
8th	-3.3	-0.4	-4.1	-7	0.3	-5.7	6.1	2.9	0.5	0.5
9th	-0.6	-0.1	-1.9	-5.6	0	-2.7	4.4	1.5	-1.9	0.3
10th	2.1	-0.9	0.8	-1.2	0	0.3	-1.1	-1.3	-2	0.9
11th	-12.2	2.6	-25.3	18.5	-2.1	0.7	17.6	-13.7	0	2.3
12th	0.5	1	-1.4	0.1	1.3	2	0.5	-0.5	-1.7	2.6
13th	-0.6	-1.1	-1	1.4	-2	-0.8	-1.5	-0.9	2.8	0
14th	0.4	-1.4	0	-0.3	0.2	-5.3	-1.8	1.1	6.6	-5.1
15th	-0.2	-0.5	-2.1	-0.9	3.1	2.4	-0.4	-0.2	-0.9	0.7
16th	0.8	-1.3	4.7	-2.6	-2.2	4.4	1.9	0.5	1	-4.7
17th	0.7	0	-0.4	0.8	-1.6	-0.9	-0.5	1.1	-1.8	-2.1
18th	-0.9	-0.5	-1.5	0.2	4.4	-1.6	-1.8	0.8	-0.2	-0.2
19th	0.2	-3.2	-1.8	-0.2	5.8	6.9	-3.2	0.1	-0.1	0.1
20th	1.2	1.9	0.2	-0.4	-5.5	-3.1	-0.6	0.2	2.7	-0.7

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RUN 44   PT 7

V/OR = 0.101   ALFS,U = -2.00   CLRH/S = 0.040991   CTH/S = 0.040999
VKTS = 40.7   MTIP = 0.605   CXRH/S = 0.000951   CP/S = 0.001461

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	116.9		-28.3		9.4		-48.8		-2.4	
RMS	33.9		29.6		29.7		46.8		18.8	
1/2 P-P	90.1		74		67.7		96.1		49.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-13.2	8.7	-14.1	-6.8	-15.2	-14.8	-7	-27	-1.4	-8.4
2nd	-8.1	-4.4	-17.6	-1.5	-25.4	1.3	-39.7	10.2	-16.7	5.2
3rd	-9.6	9.8	-11.3	12.2	-11.4	14.9	-17	36.7	-1.2	6.9
4th	-18	-4.9	-16.2	0.6	-13.6	1.6	7.3	3.2	10.1	-3.2
5th	-1	2.1	0.7	1.4	1.8	2.4	-0.7	-5.7	-1.3	-2.4
6th	-10.2	8.6	-6.6	8.4	-4.5	5.9	2.9	-6.7	-4.3	3.3
7th	-9.3	5.5	-6.2	5.4	-2.6	1.6	-0.7	-1	-2.2	3.2
8th	3.5	18.1	5	11.8	2.4	3.4	0.4	3.4	3	1.9
9th	-0.6	9.3	1.7	6.5	1.4	2	0.5	3	0.8	-1.9
10th	0.2	-0.6	0.4	-0.3	-0.5	0.3	0	-0.9	-1	0.2
11th	27.5	-0.6	14.5	-5.4	-2.3	0	8.2	-4.5	-6.6	4.3
12th	-0.4	3.2	0.7	1.4	0.1	-1	0.2	0	1.1	1.1
13th	-1.2	-3.1	-1.2	-1	0.2	0.1	-0.1	0.6	0.3	-1
14th	2	-4	-0.6	-1.3	-0.5	1.3	-0.7	1.6	-0.8	-2.9
15th	-0.4	5.2	0.9	1.5	-0.2	-2.2	-1.3	-2.4	0.1	2
16th	-6.7	-1.5	-1.9	1.2	2.7	-0.5	3.3	-1.4	-0.9	1.4
17th	-0.1	-1.7	0.1	-0.2	-0.1	0.7	0.7	0.5	1.1	0.1
18th	2.5	1.3	0.7	-0.3	-1.2	0.3	-1	0.2	-1.3	0
19th	0.1	4.6	0.3	0.1	-1.3	-1.8	-0.7	-0.7	-2.3	-1.5
20th	-1	-1.8	-0.5	0.4	0.2	-0.4	0.2	-0.7	0.9	0.6

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RUN 44   PT 7

V/OR = 0.101	ALFS,U = -2.00	CLRH/S = 0.040991 CTH/S = 0.040999
VKTS = 40.7	MTIP = 0.605	CXRH/S = 0.000951 CP/S = 0.001461

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	2.5		727.8		347.9		1253.2		-14.1	
RMS	108.6		93.1		108.1		97.9		76.2	
1/2 P-P	205.3		207.5		228.5		234		148.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-62	124	-34.2	91.8	-13.7	100.1	-14.9	69.5	2.1	95.8
2nd	26.9	-43.4	37	-40.5	73.1	-47.5	70.8	-42.6	26.9	-8.5
3rd	17.8	-24.2	9.9	-26.9	11.5	-45.4	1.7	-44.4	10.3	-0.8
4th	10.9	6.5	14.2	27.4	13.3	35	1.3	41.5	-22.9	-23.1
5th	-4.3	-4.5	18.1	-12.3	30.2	-17.7	39	-19.5	-8.2	8.4
6th	-3.4	-6.5	3.3	-4.7	6.3	-0.2	3.2	8.2	-0.3	7.6
7th	1.8	-7	6.3	-4.8	4.4	3.4	-3.4	12.4	-1.8	2.1
8th	-3.9	-2.9	-5.6	-12.2	0	-6.4	7.9	9	2.6	2.9
9th	-2.3	-0.4	-2.7	-6.5	0.3	-4.1	5.6	2.8	-0.6	-0.1
10th	1.9	-0.7	1.2	0.2	0.2	0.2	-1.2	-2.5	-2	-1.9
11th	-20.3	0.5	-40	12.6	-4.7	2.3	27.4	-8.4	-0.8	4.9
12th	1.7	4.8	2.9	3.1	2.2	4.8	-0.7	-1	0.3	2.1
13th	-0.8	-0.7	-0.4	3.3	-2.7	-0.2	-1.3	-1.8	2.8	0.8
14th	1.3	-1.8	0	-1.4	1.1	-7.4	-1.7	0.4	8.9	-6
15th	-0.3	-0.8	-3.2	-4.2	0.3	3.5	0.5	-0.9	-1	-0.2
16th	1	-0.2	6	-0.8	-5.1	2.5	2.3	1.4	3.1	-4.3
17th	1.1	-0.1	0.6	1.1	-1.1	-1	-0.5	1.6	0.7	-1.7
18th	-1.4	-0.9	-1.5	0.1	5.3	-0.3	-1.8	-0.1	-1.6	-0.1
19th	2	-1.5	-3.4	-1.2	0.1	6.9	-4.5	-2.2	0.7	0
20th	2.4	2	0.7	-0.3	-6.2	-1.7	-0.8	0.6	2.1	-0.5

RUN 44   PT 8

V/OR = 0.101 ALFS,U = -2.00 CLRH/S = 0.049896 CTH/S = 0.049910
VKTS = 40.6   MTIP = 0.607   CXRH/S = 0.001264 CP/S = 0.001924

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	129		-18.9		15.4		-46.2		0.8	
RMS	52.1		39.8		35.9		59.3		24.7	
1/2 P-P	135.4		110.6		83.1		120.2		62.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-20.7	24.2	-18.6	-0.9	-19.4	-12.2	-20	-28.8	-5.5	-9.6
2nd	-2.7	0.7	-14.5	-1	-23.1	-0.2	-43.1	7.3	-20.5	4.9
3rd	-12.9	13.5	-16.9	19.3	-18.6	23.3	-26	50.6	-1.7	9.4
4th	-22.3	-8.9	-20.5	-0.2	-17.4	2.3	10.5	4	13.7	-3.4
5th	-0.7	3.5	1.9	2.1	3	3.7	-0.1	-6.9	-1.1	-3.3
6th	-17.1	11.5	-11.5	12.4	-7.5	8.7	5.1	-10	-6	3.1
7th	-13.7	-1.4	-10.3	1.5	-4.4	-0.2	-0.5	-1.6	-4.2	3.5
8th	4.3	26.4	7.3	17.7	3.8	6.2	0.6	5.2	4	4.3
9th	-7.2	11.5	-2.2	9	1.5	2.8	-1.2	4.7	2	-3.3
10th	-1.7	-3.5	-1.4	-1.9	-0.4	-0.6	-1.5	-1.7	0	-0.9
11th	44.3	12	25.3	-1.8	-4	-1.5	14.8	-2.7	-12	3.2
12th	-3.9	5	-1	2.5	0.8	-1.6	0.3	0	1.2	2.5
13th	0.2	-6.2	-1.5	-2.2	0.6	1.1	-0.2	1.2	0	-1.5
14th	8.7	-5.2	0.3	-2.5	-3	2.9	-2.9	3.2	1.3	-5.4
15th	-0.3	6.4	1.3	1.7	-0.5	-2	-1.3	-2.9	0.7	1.5
16th	-5.3	-6.6	-2.6	-0.1	3	1.3	4.3	1.5	-0.5	0.2
17th	3.7	-3.1	0.3	-0.9	-1.4	1.6	-0.4	2.3	1.5	0.8
18th	2	3.7	1.2	0.1	-1.1	-1.2	-1.6	-0.2	-1.5	-0.3
19th	-6	5.3	0.1	0.6	0.6	-4.2	-0.3	-1.1	0.1	-4.1
20th	4	-6.1	-0.6	0	-0.9	2.9	0.5	-1.3	-0.1	3.3

RUN 44   PT 8

V/OR = 0.101	ALFS,U = -2.00	CLRH/S = 0.049896	CTH/S = 0.049910
VKTS = 40.6	MTIP = 0.607	CXRH/S = 0.001264	CP/S = 0.001924

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-29.5		700.8		325.6		1241		-42.7	
RMS	236.7		182.3		174.2		139.7		100.4	
1/2 P-P	433.8		403.7		372		277.1		190.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-147.6	279.6	-89.9	202.1	-44.6	186.8	-24.8	120.1	-2.3	125.6
2nd	50.8	-5.4	57.4	-14.1	90.3	-24.4	85	-26.5	37.9	2.2
3rd	72.2	-42.5	53.6	-49.9	53.3	-77.9	30.1	-72.2	15	-10.9
4th	7.1	0.6	6.8	34.5	4.9	49.8	-10.3	59	-27	-32
5th	-21	-4.4	-29.2	-11.4	-40.3	-20.8	-32.8	-22.3	-11.6	12.3
6th	-2.2	-11.6	5.7	-6.7	6.8	0.6	-2.6	16.2	-4.1	2.6
7th	7.4	-23.8	12	-2.9	9.2	18	-5.5	31.9	-5.4	0.6
8th	-1.7	-6.1	-6.7	-19.3	-1.3	-10.3	9.4	16.1	4.3	6
9th	-0.2	8.1	4.2	-5.1	2	-5	1.4	0	0.2	-0.7
10th	0	8.9	3.1	8.7	1.1	3	-1	-9.7	-0.7	-4.5
11th	-33.1	-12.5	-70.7	-2.6	-8.7	-0.3	49.4	3	0.5	8.5
12th	-7.2	5.9	-4.9	5.7	-4.9	8.2	1.1	-2.1	-0.5	1.9
13th	-5.3	1.9	-7.7	13.1	-8.5	2.3	0	-4.5	2.2	0.6
14th	1.4	-0.9	-3.1	6.6	5.7	-5.3	-2.9	0.7	16.8	-2.5
15th	-0.2	-1.2	-2.3	-3.6	1.9	5.3	2	-0.8	-3.1	0
16th	1.8	1	9.8	3.7	-3.5	-1.9	3	3.4	6.3	-3.2
17th	1.2	0.6	-1.3	3.5	0.7	-4	-1.9	2.4	-0.3	0.5
18th	-2.2	-3.4	-2.2	1.8	7.4	6.8	-0.9	0.5	-1.4	-0.3
19th	4.4	-2	-1	-2.3	-6.2	14.7	-0.3	-5	1	-0.1
20th	-0.2	-8.2	2.6	6	7.1	1.3	4.6	17.5	1.6	-0.3

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RUN 44   PT 9

V/OR = 0.101 ALFS,U = -2.00 CLRH/S = 0.060478 CTH/S = 0.060499
VKTS = 40.6   MTIP = 0.605   CXRH/S = 0.001654 CP/S = 0.002460

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	150.9		-4.8		24.3		-43.6		5.3	
RMS	69.7		51.4		45.3		75.2		31.9	
1/2 P-P	169.2		136.8		100.6		149.6		77.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-15.5	37.8	-18	3.1	-21.5	-12.3	-32.3	-32.9	-9.1	-11.4
2nd	-2.2	1.6	-14.1	-2.2	-22.2	-2.2	-49.1	3.2	-25.8	4.1
3rd	-22.7	13.1	-25	25.3	-26.9	32.8	-33.3	66.5	-3.4	12.1
4th	-30.1	-16.3	-27.3	-4.3	-23.4	-0.6	15	7.1	18.3	-2.2
5th	2.1	6.4	3.2	6.1	3.7	8.2	0.9	-12.7	1.2	-5.8
6th	-24	14.2	-16.9	14.3	-11.6	9.6	9.2	-11.1	-7.3	3.1
7th	-24.8	-7.7	-19.1	-2	-8.6	-1.1	-0.2	-2.2	-9.1	3.4
8th	0.9	32.5	6.2	21.7	3.9	6.9	0	6.4	3	6.1
9th	-12.3	13.5	-5.5	11.7	0.9	4	-2.8	5.9	3.7	-4.2
10th	-4.7	-7.3	-3.4	-3.2	-0.5	-0.1	-3	-2.5	-2.5	-1.7
11th	52.9	25.1	31.7	3	-5.4	-3.9	19.1	-0.4	-15.6	1.4
12th	-9.4	8.3	-2	5	2.6	-2.3	1	0.5	-0.5	3.8
13th	-0.8	-7.1	-1.8	-2.6	1.8	1.8	0.2	1.4	-0.8	-1.2
14th	13.2	-3.5	1.7	-3.4	-4.7	1.9	-4.5	2.9	3.4	-6.5
15th	5.8	10.1	4.2	1.9	-3.8	-2.7	-4.5	-3.3	4.3	0.9
16th	-3.8	-10.8	-2.9	-1.7	2.8	4	4.3	3.7	-0.4	-1
17th	7.1	-3.1	1	-1.5	-2	2.1	-1.9	3.2	1.3	1.6
18th	1.8	4.9	1.1	0.4	-1.3	-2.7	-1.5	-0.4	-2.1	-0.2
19th	-10.6	4	-0.3	0.7	3.6	-4.7	0.2	-1.2	2.5	-5.6
20th	4.4	-4.8	-1.1	-0.1	-0.6	3.8	0.8	-1.2	-0.1	2.3

D-85

RUN 44   PT 9

V/OR = 0.101   ALFS,U = -2.00   CLRH/S = 0.060478   CTH/S = 0.060499
VKTS = 40.6   MTIP = 0.605   CXRH/S = 0.001654   CP/S = 0.002460

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	8.1		717.5		332.7		1243.9		-61.6	
RMS	301.9		241.4		248.9		212.5		122.1	
1/2 P-P	566.7		551.7		593.3		508.5		260.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-92.5	390.9	-44.1	278.2	3.2	252.2	15	159.7	8.7	151.8
2nd	30.3	-1.4	45	-13.7	84.2	-23.2	85.6	-25.9	38.5	7.7
3rd	52.9	-120.7	26.9	-118.9	28.6	-154.7	4.8	-134.2	12.7	-23.3
4th	-3	2.3	-5.9	53	-9.7	77.9	-29	87.8	-33.8	-44.7
5th	-23.3	15.3	-30.2	86.1	-44.3	132.8	-33.3	151.3	-8.9	18.6
6th	8.6	-6.8	5.5	-4.9	-4.2	1	-25.5	16.3	-11	7.6
7th	-15	-14.4	11.4	5.1	19.3	18.1	1.1	18.3	-5.6	1.1
8th	-2	3.3	-2.9	-18	0.6	-10.8	8.1	16.1	3.6	9.5
9th	-13.5	1.7	1.4	-9.1	6	-5.9	9.5	7.8	0.3	-3.1
10th	-7.9	-4.2	-0.6	2.9	0	-0.4	1.1	-6.1	-1.2	-7.5
11th	-33.4	-22.7	-83.1	-20.1	-8.5	-2.7	58	13	0.3	11.2
12th	6.8	-8	8.2	-20.3	-1.3	-3.5	-3.4	8.4	-4.6	-0.7
13th	0.6	0	2	6.1	-2.1	-3.3	-2.4	-3	1	-0.3
14th	2.1	-1.7	-7.9	0.7	8.3	-10.1	-3.2	0.3	19.5	5.7
15th	-1.5	0.2	-5.6	-3.4	10.9	6.8	1.9	-0.5	-5.7	-0.6
16th	1.6	2.2	5.4	7.9	-9.9	-5.8	1.4	4.5	7.1	0.8
17th	0.9	3	-2.8	3.2	4	-9.3	-3.3	1.9	-0.9	0.1
18th	0.5	-1.1	-2.4	-1.6	5.9	4.9	-2.1	-2.3	-1.8	-1.2
19th	6.3	4.8	-0.1	-7.3	-19.5	6.7	0.9	-12	-1.4	1.5
20th	5.7	-2.1	0.4	5	-4	0.6	-5	13.7	4.6	3.8

RUN 44   PT 10

V/OR = 0.101
VKTS = 40.7

ALFS,U = -2.00
MTIP = 0.606

CLRH/S = 0.070501
CXRH/S = 0.001861

CTH/S = 0.070523
CP/S = 0.003002

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	172.6		9.2		33.4		-39.9		10.6	
RMS	85.1		62.4		53.9		89.6		38.9	
1/2 P-P	205.3		160.7		118.4		174.4		96.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-8.1	46.8	-16.8	5.6	-22.8	-13.7	-42.7	-37.1	-12.2	-14.4
2nd	3.3	3.1	-11.7	-3	-20	-4.3	-57.7	-0.5	-31.1	2.4
3rd	-33.1	15.1	-33.1	30.2	-34.6	38.9	-40.6	77	-6	14.7
4th	-37.6	-23.8	-34.1	-8.3	-30	-2.5	18.3	9.8	21.2	0
5th	6.8	3.7	7	7.9	6.8	14.1	-1.8	-18.4	3.5	-9.4
6th	-28.5	9.5	-22	13.6	-14.8	11.7	12.2	-12.9	-7.2	0.7
7th	-31.5	-11.6	-25.5	-3.5	-12.4	-1.1	1.1	-3.4	-13.6	4.1
8th	0.8	36.4	5.6	25	2.4	8	0.8	6.7	0.7	9.1
9th	-18.2	14.8	-9	14	1.6	5.1	-4.8	7.1	5.1	-4.3
10th	-9.1	-9.5	-6.4	-3.3	-0.4	1.8	-5.5	-2.7	5.1	-2.9
11th	59.3	41.1	37.6	10.2	-5.6	-5.9	23.2	3.1	-18	-1.8
12th	-13.8	9	-3.5	5.9	3.5	-2.2	0.9	0.9	-1.1	4.5
13th	-0.9	-9.6	-1.4	-2.6	1.6	3.1	0.9	2.7	-2.1	-1.2
14th	15.3	-4.7	2.9	-3.2	-5.1	3.1	-4.7	3.8	3.9	-7.6
15th	5.1	14	4.7	3.6	-4	-4.7	-4.9	-5.1	5.2	2
16th	-6.1	-11.7	-4.5	-1.6	4	3.3	6.2	3.8	-1	-0.7
17th	6.8	-1	1	-1.2	-2.4	1.8	-1.5	2.5	0.6	1.9
18th	1.2	5.2	1.1	0.6	-1.3	-2.7	-1.2	-0.5	-2.8	-0.7
19th	-7	0.7	0.1	0	2.4	-2.5	-0.1	-0.6	2	-3.8
20th	5.4	-2.6	-0.8	-0.5	-1.7	2	0.8	-0.5	0	1.8

D-87

RUN 44   PT 10

V/OR = 0.101   ALFS,U = -2.00   CLRH/S = 0.070501   CTH/S = 0.070523
VKTS = 40.7   MTIP = 0.606   CXRH/S = 0.001861   CP/S = 0.003002

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	17.9		716.1		326.9		1242.7		-81.7	
RMS	329.7		287.3		319.3		301.8		139.5	
1/2 P-P	683		721.1		716.6		650.7		264.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	17.2	428.8	41.8	301.8	82.8	276.6	74.7	174.6	26.5	169.5
2nd	42.1	17.3	56.8	-3.3	98.8	-14.8	101.9	-21.3	50.1	13.6
3rd	19.9	-159.2	-9.8	-156.3	-7.2	-199.7	-30.7	-172.1	4	-31.2
4th	-5.9	11.2	-14.1	80.5	-22.5	114.9	-48.6	126.6	-38.4	-55.1
5th	-15.2	14.4	15.2	143	27.6	227.9	54.4	264.5	-1.9	15.3
6th	14.6	-32	3.7	1.9	-11.2	28.6	-40.7	57.3	-9.9	3.2
7th	0.7	-11.7	19.1	10	15.3	23.1	-19.9	23.2	-2.4	-0.6
8th	12.1	-5.9	4.1	-26.1	4.1	-12.7	7.6	25.2	7.2	8.9
9th	0.7	3.1	15.4	-12.2	9.3	-8.7	1.3	8.7	0.5	-4.3
10th	-5.7	10	6.9	13.1	1.4	1.7	-2.6	-13.5	3.2	-10
11th	-28.8	-55.5	-95.1	-58.7	-8.2	-12.7	65	38.1	2.7	11.5
12th	10.4	-14.2	12.3	-29.7	-3.3	-8.1	-5.5	11.9	-6	1
13th	5.1	12	17.1	27.3	8.2	10.2	-5.6	-7.2	-0.5	-1.6
14th	2.8	-0.9	0	8.8	17.6	-4.2	-3.8	1.2	20.1	3.2
15th	-0.3	-1	-9.7	-0.5	7.7	17.6	2.1	-0.1	-8.4	-2.9
16th	2.3	0.7	16.1	1.9	-0.9	-11.7	4.2	2.6	12.8	4.2
17th	-0.8	0.4	-2.8	4.1	7	-3.6	-3.4	1.4	-0.4	1.6
18th	0.1	0	-1.6	-0.8	5.7	5.9	-2.1	-2.2	-0.7	-2.2
19th	-1.8	-3.2	4.6	-3.6	-0.4	3.8	10.6	-4.3	-1	-0.8
20th	-11.3	0.2	2.5	2.2	17.6	-14.5	8.2	2	2	3.3

D-88

RUN 44   PT 11

V/OR = 0.101   ALFS,U = -2.00   CLRH/S = 0.080378   CTH/S = 0.080408
VKTS = 40.6   MTIP = 0.606   CXRH/S = 0.002267   CP/S = 0.003681

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	196.4		25		44.1		-34.6		16.6	
RMS	93.2		71		62.6		102.9		44.4	
1/2 P-P	246.5		181.7		138.9		203.6		112.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	2.1	50.7	-13.3	5.3	-23.5	-15.9	-52.2	-42.4	-14.5	-17.5
2nd	13.8	2.2	-6.3	-5.3	-16.7	-7.1	-65.9	-7.4	-36.2	-0.9
3rd	-40.2	16.1	-42.1	33.8	-45.2	44.8	-52.5	84.6	-10.3	16.5
4th	-40.2	-28.3	-38.9	-10.4	-35.6	-4.2	21.4	10.9	23.9	2.9
5th	13.6	3.1	12.2	10.3	10.9	17.5	-5.3	-21.4	6.1	-10.9
6th	-36.3	3.1	-28.7	11.1	-18.1	10.7	15.2	-12.4	-6.9	-1.2
7th	-28.8	-28.1	-26.4	-15.3	-13.9	-6.3	3.8	-3.6	-16.9	0
8th	3.8	44.6	8.5	31.6	3.2	10.5	1.2	8.4	-0.7	11
9th	-24.3	9	-14.1	11.4	0.3	4.6	-8.6	5.8	7.2	-3.4
10th	-7.9	-16.4	-7.4	-7	-1	1.6	-5.9	-5.8	7.4	-0.8
11th	46.2	53.8	33.8	19.7	-4.2	-6.1	21.9	8.6	-15.9	-5.9
12th	-17	-0.7	-5.7	2.4	3.9	-0.1	0.6	0.7	-3.5	4.4
13th	0.1	-10.3	-0.9	-3	1.6	2.9	0.5	2.6	-2.9	-2.5
14th	8.8	0.7	3.6	-1.7	-2.7	-0.3	-2.8	0.5	3.4	-4.8
15th	-4.6	11.4	2.6	4.5	-0.1	-4.5	-0.3	-6	3.2	4
16th	-2.1	-8.6	-2.6	-1.7	2	2.1	3.5	3.3	0.3	0.5
17th	4.4	2.5	0.5	0	-2.2	-1	-1.9	0.3	-1.3	1.3
18th	1.1	4.2	0.2	0.2	-0.9	-1.5	-0.9	0	-3.7	-2.2
19th	-3.7	0.5	0	-0.3	1.3	-1.5	-0.1	-0.2	1.5	-2.6
20th	4.5	-1.7	-0.7	-0.1	-1.2	1.5	1.1	-0.7	0	2.5

D-89

RUN 44   PT 11

V/OR = 0.101   ALFS,U = -2.00   CLRH/S = 0.080378   CTH/S = 0.080408
VKTS = 40.6   MTIP = 0.606   CXRH/S = 0.002267   CP/S = 0.003681

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	36.4		716.6		318.5		1237.6		-101.3	
RMS	357.4		326.4		382		371		158.2	
1/2 P-P	732.9		798		821.2		792.6		293	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	85.3	447.3	95.5	314	140.3	293.3	123.2	185.4	46	186
2nd	73.6	13.6	81.1	-8.3	123.6	-15	125.9	-20	70.7	21.6
3rd	26.2	-182.1	-16.2	-182.9	-15.9	-237.4	-46.7	-207.9	5.3	-36.9
4th	-2.7	24.2	-24.1	109	-42.2	154.7	-76	169.1	-35.6	-63.4
5th	-29.4	10	-13.9	177.6	-14	285.4	18.9	333	-0.6	22.4
6th	9.3	-38	7.2	7.3	-4.5	39.3	-38.2	69.7	-9.2	1.6
7th	14.4	-15.9	18.9	21.7	4.6	40.3	-38.6	29.5	-2.9	-0.4
8th	12.4	-5.9	5.7	-29.9	11.1	-15.6	16.9	28.7	8	11.2
9th	10.8	-1.4	26	-13.7	14.6	-8.7	-5.9	10.7	1.9	-4.2
10th	9	23.8	19.1	26.9	5.8	5.8	-10.5	-22.1	7.2	-10.5
11th	-24.3	-71.5	-87.9	-87.9	-9.3	-19	61.3	57.8	1.7	5.1
12th	8.2	-7.9	15.2	-15.5	-7.8	-6.7	-7.3	5.8	-8.6	-3.9
13th	7.8	8	18.7	17.9	10.7	2.9	-5.7	-5.2	3.4	-1.5
14th	1.9	-1	4.2	2.1	17.2	-0.2	-1.1	-0.8	3.6	4.4
15th	-2.1	-2.4	-2.7	-3.3	1	17.3	5.1	1.1	-12	-7.4
16th	0.8	-0.7	-1.8	-3.3	-10.6	-15.8	-0.6	0	7.5	5.6
17th	-1.1	1.4	-1.7	-0.8	7.6	-2.1	-3.8	-1	0.1	0.5
18th	1.4	4.6	-1.7	0.9	0.8	3.4	-5	-3.2	3.4	0.3
19th	-1.4	3.3	0.4	-2.3	-4	-2.2	3.5	-5.3	0.7	-0.3
20th	-7.4	17.6	-1.6	-4.3	-3.5	-33.9	-6.1	-15	2.5	1.4

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RUN 44   PT 12

V/OR = 0.101   ALFS,U = -2.00   CLRH/S = 0.090038   CTH/S = 0.090072
VKTS = 40.7   MTIP = 0.607   CXRH/S = 0.002563   CP/S = 0.004437

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	218.2		40		54.6		-28.9		22.8	
RMS	99.1		75.9		68.1		114.5		48.8	
1/2 P-P	273.1		208.9		148.3		225.8		121.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	6.9	56.8	-11.9	6	-24.4	-17.7	-60.6	-46.4	-16.6	-21.1
2nd	20.7	2.4	-2.5	-6.6	-12.5	-9.7	-72.4	-15.3	-40	-4.7
3rd	-45.6	16.9	-48.7	36.1	-52.1	48	-62.5	91.4	-14.3	18.2
4th	-41.2	-35.1	-41.7	-15.1	-38.2	-7.9	22.9	13.8	25.4	5.7
5th	20.3	2.5	16.8	10	13.5	18.7	-8.3	-22.2	8.8	-10.6
6th	-38.2	-1.2	-30.8	8.6	-19.5	9.1	16.5	-12	-5.9	-2
7th	-22.6	-43	-24.4	-26.6	-12.9	-11.8	6.8	-3.4	-18.2	-5.1
8th	1.6	47.7	7.3	34.5	2.5	11.3	0.9	10.6	-3.3	10.4
9th	-26.3	2.7	-16.7	7.7	-1	4	-11.3	3.2	7.5	-1.8
10th	-7.2	-21.3	-7.8	-10	-1.7	1.5	-5.5	-9.3	9.5	2.3
11th	30.8	51.3	25.4	20.9	-2.3	-5.9	17.8	10.7	-11.6	-6.6
12th	-17.5	-8.4	-7.2	-1.2	4.4	0.8	-0.5	0.4	-4.7	3.1
13th	1.5	-10.3	-0.9	-3.4	1	2	0	2	-3.6	-3.4
14th	4.9	2.4	3.2	-0.8	-1	-0.7	-1.5	-0.9	3.2	-2.8
15th	-10.4	10.9	0.4	5.3	1.9	-5.4	2.2	-6.7	1.7	6
16th	-1.8	-7.2	-2	-1.2	1.5	1.3	3	3	-0.5	1.4
17th	2.2	2.4	0	0	-1.2	-1.3	-1	-0.1	-1.7	1
18th	1.1	6.5	-0.1	-0.2	-1.1	-3.2	-1.3	-0.5	-3.5	-4.1
19th	-2	2.9	0.1	-0.4	-0.2	-2.3	-0.4	-0.5	0.3	-3.9
20th	5.4	2.2	-0.9	-0.6	-2.8	-0.2	1.5	-0.1	-2.5	0.8

RUN 44   PT 12

V/OR = 0.101	ALFS,U = -2.00	CLRH/S = 0.090038	CTH/S = 0.090072
VKTS = 40.7	MTIP = 0.607	CXRH/S = 0.002563	CP/S = 0.004437

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	54.7		719.4		311.7		1229.6		-120.4	
RMS	374.4		348.8		422.1		409.2		177	
1/2 P-P	755.7		814.4		858.7		844.4		327.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	99.6	461.5	109	324.8	161.9	310.8	150.8	197.7	52.9	205.3
2nd	87.5	11.9	93.8	-9.5	137.8	-11.9	139.7	-18.2	85.4	30.4
3rd	30.5	-197.8	-24.8	-205.6	-29.5	-270.4	-67.7	-239.5	8	-38.4
4th	-12	31.1	-47.5	131.3	-79	186.5	-116.6	202.1	-33.4	-74.2
5th	-47.8	2	-72.5	176.7	-101.1	284.7	-70.5	336.6	-3.7	26.7
6th	7.4	-37.2	2.2	9.9	-12.1	41.9	-44.2	69.8	-8.2	1.2
7th	19	-13.8	11.9	32.9	-10.5	50.1	-51.7	21.4	-2.5	-1.9
8th	12.3	-1.3	6	-28	11.8	-13	15.1	29.4	6.9	11.2
9th	12.7	5.1	32.4	-3	18.3	-2.2	-8.6	7	0.1	-4.2
10th	8.1	31	21.3	36.1	7.8	8	-9.8	-26.8	9.3	-9.1
11th	-15.9	-64.8	-66.3	-88.6	-7.3	-19	46.4	57.8	0.7	5.8
12th	2.8	-1.6	13.6	-4.3	-10.4	-7.2	-5.9	-0.9	-7.8	-6.2
13th	2.1	5	5.9	11.8	2.2	-2.8	-2.8	-5.6	4.2	-2.1
14th	1.5	0	5.1	2.8	13.1	4.8	-0.2	-1	-3.8	5.5
15th	-1.8	-1.8	-4.2	-8	-9.7	16.8	4.8	1.4	-8.9	-8.4
16th	0.8	-1.5	-0.5	-2.7	-8.6	-11.9	0	0.7	2.1	4.4
17th	-0.9	3.3	0.4	-0.5	5.6	-1.6	-2.7	-2.8	1.8	2.7
18th	1	4	-1.4	0.3	4.3	6.2	-4.9	-5.4	0.9	2.3
19th	-0.2	1.6	-0.1	-2.4	-1.2	0.9	-0.2	-5	-1.3	0.5
20th	-5.4	22.7	-5.2	-8.2	-7.7	-37.9	-15.6	-24.4	1	2.6

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RUN 44   PT 13

V/OR = 0.101   ALFS,U = -2.00   CLRH/S = 0.099976   CTH/S = 0.100010
VKTS = 40.7   MTIP = 0.606   CXRH/S = 0.002721   CP/S = 0.005294

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	241.5		55.8		65.1		-22.2		30.1	
RMS	104.3		80.2		73.5		125.2		53	
1/2 P-P	290.7		225.1		153.4		248.4		126.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	8.9	61.1	-11.2	6.3	-25.2	-20.8	-67	-52.2	-16.8	-24.4
2nd	26.9	3.7	1	-7.4	-10.2	-11.3	-81.2	-23.3	-44.1	-8.2
3rd	-50.9	17.1	-55.9	37.4	-61.1	49.1	-75.3	93.1	-20.8	18.3
4th	-39.8	-41	-42.9	-19.9	-40.4	-11.8	24.6	16.6	25.5	7.7
5th	27.7	-1.2	20.7	6.8	14.3	16.4	-11	-18.7	12.7	-8.9
6th	-37.5	-6.8	-32.1	3.6	-21	6.1	17.4	-9	-3.4	-2.1
7th	-17.3	-53.7	-22.1	-34.8	-12.1	-15.2	9.3	-2.6	-19.2	-8.9
8th	-0.2	46.8	5.4	33.9	1.7	11	0	11.6	-6.2	8.9
9th	-25.2	-3.7	-17.6	3	-2	2.8	-12.2	0.8	6.7	-0.9
10th	-3.8	-24.9	-6.9	-12.8	-1.5	1.8	-4	-11.5	10	4.9
11th	16.6	50	17.8	22.6	-0.6	-5.3	13.1	12.5	-7.4	-7.2
12th	-13.4	-15.5	-7.1	-5	3.8	1.7	-1.1	-0.7	-4.7	2.4
13th	2.2	-8.7	-0.9	-3	-0.1	2.1	-0.7	1.5	-3.3	-3.9
14th	1	4	2.7	0.6	0.5	-1.3	-0.3	-1.8	2.2	-0.7
15th	-11.9	8.6	-1	4.8	2.7	-4	3.4	-6	-0.1	6.8
16th	-0.6	-5	-1.2	-1.1	0.8	1.4	1.5	2.3	-0.6	1.5
17th	-1.9	2.8	-0.9	0.2	0.4	-2.1	0.3	-1.4	-1.8	-0.3
18th	-2.1	6	-0.6	-0.2	0.4	-3.2	-0.5	-1.2	-1.4	-4.5
19th	0	3.8	0.2	-0.3	-1.2	-1.9	-0.2	-0.4	-0.6	-2.6
20th	1	8.4	-0.5	-0.7	-2.6	-3.5	1.2	1.4	-3	-2.8

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RUN 44   PT 13

V/OR = 0.101	ALFS,U = -2.00	CLRH/S = 0.099976 CTH/S = 0.100010
VKTS = 40.7	MTIP = 0.606	CXRH/S = 0.002721 CP/S = 0.005294

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	75.4		723.4		304.3		1224.5		-137.4	
RMS	393.3		374.8		464.1		447.7		193.6	
1/2 P-P	772.9		819		941.5		941.5		357.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	108.7	482.3	123.3	340.4	186.5	333.8	178.6	213.8	55.2	223.3
2nd	99.8	12.2	106.8	-10.7	153.6	-10	159	-14	101.3	41.9
3rd	38.3	-205.3	-32.7	-226.3	-41.4	-301.7	-88.9	-274.4	11.2	-38.2
4th	-26.2	37.2	-82.6	147.9	-129.9	208.6	-169	225.1	-28.6	-79.3
5th	-60	-12.1	-133.5	152.5	-193.3	248.1	-168	296.9	-2.2	27.2
6th	8.3	-34.1	-0.8	11.2	-18.2	41.6	-51.3	64.7	-9.2	2.6
7th	22.6	-10.6	7.4	39.4	-21.7	53.5	-62.3	16.6	-2.6	-1.7
8th	11.5	4.5	8.7	-23.3	13.1	-9.1	13.5	28.2	4.5	14.2
9th	9.8	12.4	31.8	7.4	19.7	3.2	-7.8	3	2.3	-1.1
10th	4.3	37.4	17.7	44.8	7.7	12.2	-6.6	-29.8	11.2	-7.9
11th	-13.3	-56.9	-50.9	-83.8	-7.2	-15	34.1	56.6	0.1	6.4
12th	-0.5	-1.1	9	2.8	-11.7	-9.4	-4.1	-3.9	-5.5	-6.3
13th	-2.8	3.4	-2.2	11.7	-2.2	-2.1	-0.9	-5.1	2.3	-1.2
14th	1.1	0.5	5.6	2.4	9.3	7.5	0.9	-0.8	-6	1.8
15th	-0.6	-1.6	-3.2	-9.4	-13.7	12	3.3	1.5	-7.8	-6.9
16th	1.3	-2.2	0.6	-5.3	-3.5	-11.7	-0.5	0.2	-0.1	2.2
17th	-0.6	3.3	1.8	-2	0.8	0.9	-1.4	-4.2	0.9	1.3
18th	1	3.3	0.4	1.3	0.6	9.5	-1.9	-5.3	1.1	4.8
19th	-0.5	1	-0.4	-0.8	2.1	2	-2.2	-2.8	-1	0.8
20th	-6.6	24.9	-5.2	-11.3	-6.8	-32	-13.8	-36.4	0.1	0.8

RUN 46   PT 5

V/OR = 0.100	ALFS,U = 5.00	CLRH/S = 0.069567	CTH/S = 0.069881
VKTS = 40.0	MTIP = 0.605	CXRH/S = -0.006646	CP/S = 0.002134

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	142.8		-13.3		6.3		-61.5		-0.9	
RMS	66.9		49.3		43.6		60.9		27.9	
1/2 P-P	197.2		124.9		100.4		129.1		93.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-31.3	34.8	-29	1.9	-25	-11.5	-16.7	-32.6	-7.2	-9.9
2nd	-13	3.4	-24.9	3.5	-33.6	8.3	-60	3.7	-20.4	2.2
3rd	2.4	2.4	-3.5	3.5	-7.7	8.6	-14	27.1	0.3	4.6
4th	-5.6	-8.8	-7	-7.8	-7.1	-5	2.1	3.5	4.3	0.4
5th	-24.4	-30.3	-29.1	-24	-26.1	-19.1	25.1	12.8	7.2	3.7
6th	6	-21.2	-0.1	-17.6	-1.3	-10.2	2.3	3.7	2.9	-4.2
7th	-13	-2.8	-.9	1.1	-4.4	2.3	-0.4	-4.5	-2.6	-2.2
8th	-11.8	-34.1	-13	-20.9	-5.7	-6.2	-2.1	-8.2	-5.4	-4.1
9th	-3	2	-2.8	2.5	-2.4	-0.2	-2.6	-1.6	1.1	3
10th	-8.9	17.4	-2.2	12.3	0.6	-0.6	-2.9	7.2	4.8	-4.7
11th	-38.3	4.8	-18.1	9.5	5.6	1	-10	7.5	8.8	-7
12th	2.3	9.1	3.2	4.2	0.6	-0.7	4.7	1.1	-5.8	-1.1
13th	5.2	9.7	5.9	3.7	-0.9	-1.8	3.9	-2.5	-4.3	3.3
14th	2.4	2.4	2.8	-0.9	-0.5	-1.4	-1.7	-2	2.2	2.6
15th	8.6	-25.8	-1.8	-9	-0.4	10.6	-1.2	14.1	2.9	-13.8
16th	20.8	-6.7	3.3	-5.8	-7.6	5.6	-6	9.4	4.2	-9.2
17th	5.3	-5.2	-0.3	-1.8	-1.2	2.3	1	1.8	-3.1	0.5
18th	-8.7	-3.8	-2	0.7	5	0.2	1.1	-1.7	1.6	5.6
19th	-19.9	-3.3	-0.6	1.4	10	-3	-2.4	0.3	12.1	-0.3
20th	-4.6	-5.6	0.2	1	3.6	2.2	-1.9	-0.5	4.2	-1.8

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RUN 46   PT 5

V/OR = 0.100   ALFS,U = 5.00   CLRH/S = 0.069567   CTH/S = 0.069881
VKTS = 40.0   MTIP = 0.605   CXRH/S = -0.006646   CP/S = 0.002134

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-9.1		706.7		373.4		1286.4		-94.4	
RMS	333.4		245.5		230.2		171.2		121.5	
1/2 P-P	516.4		450.7		453.2		313.6		226	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-174.5	428.4	-86	309.6	-22.3	270.6	-18.7	177.9	-25.9	161.8
2nd	47.3	-24.2	73.4	-43	130.9	-72.8	125.6	-65.6	18.4	9
3rd	28.2	-17.3	9.1	-18.5	8.6	-37.6	-4.8	-37	24.7	7.8
4th	5.7	10.9	-0.5	28.2	-0.5	31.9	-8.8	23.7	-3.8	-4.5
5th	46.2	27.2	41.5	24.2	47.4	20.9	7.3	-4	17.3	-15.4
6th	5.9	12.8	0	31.8	-0.1	38.2	-3.3	18	19.5	-3.9
7th	-9.5	-10.3	5.6	7.3	9.5	19.6	3.5	27.6	-3.2	2.3
8th	7.7	2.6	19.3	22.1	10.8	13.4	-6.2	-18.9	-1.7	-7.2
9th	23	-16.3	14.4	-17	5.2	-2.5	-10.3	5.1	2.4	1.5
10th	-6.3	-5.2	-2.2	-18.1	-1.8	-2.3	-2.4	10.1	0.9	0.6
11th	3	-1.5	30.1	-15.1	-4.7	0.5	-23.8	15.5	-0.6	-2.3
12th	1.7	-14.1	-4	-20.6	0	-4.5	5.5	12.2	-3	-2.4
13th	13.5	-8.9	14.9	-24.8	19.5	-8.6	3	5.9	-3.9	-8.4
14th	-3.3	0.9	-7.2	2.4	-2.4	4	4.2	-4.1	-15.2	5.3
15th	2.6	1.2	0.4	20.3	-5.5	-23.4	-0.3	3.6	3.5	-0.8
16th	-0.9	2.1	-16.7	12.5	7.2	-15.7	-8.7	1.7	5.8	6.8
17th	-2	3.9	-2.7	2.7	-0.3	-13.9	-2.9	3	6.7	-0.3
18th	-0.2	0.9	6.4	-2.8	-9.3	-2.3	9.8	-0.6	3.4	4
19th	-5.1	-4.8	11.9	-4.3	-8.5	13.7	29.8	-6.8	-4.5	-3.2
20th	1.9	-0.2	1.1	-1.8	-11	-2	8	2.6	-2.8	-3.6

RUN 46   PT 6

V/OR = 0.100	ALFS,U = 5.00	CLRH/S = 0.099326	CTH/S = 0.099769
VKTS = 40.0	MTIP = 0.605	CXRH/S = -0.009425	CP/S = 0.003890

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	203.2		26.6		34.7		-52.4		9.3	
RMS	146.1		105.6		71.5		102		47.2	
1/2 P-P	414.2		273.9		180.4		223		128.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-20.6	60.6	-23.9	8.9	-18.9	-16.6	-36	-47	-16.5	-14.3
2nd	-2	8.3	-20.7	-1.8	-34	-6	-78.5	-10.9	-25.4	-2.2
3rd	-14.3	13.3	-15.3	10.9	-18.9	14.6	-32.7	42.8	-3.9	8
4th	-28.5	-1.7	-28.6	0.5	-23.7	3.1	1.1	3.4	2.6	1.8
5th	-35.5	-93	-52.3	-73.1	-42.3	-58.9	42.9	57.3	16.6	13.9
6th	13.3	-30.2	4.7	-25.2	1.6	-14.7	9.4	0.3	12.8	-9
7th	-47.9	5.3	-31.2	10.3	-12.2	9	7.6	-12.6	-12.7	-0.5
8th	-20.6	-101.2	-28.5	-65.9	-10.1	-20.6	1.7	-15.6	-14.9	-9.4
9th	-2.6	-5.5	-2.5	1.2	-1.9	4.7	-3.2	2.6	0.9	8
10th	-16.8	43.4	-3.2	31	0.8	2.5	-4.9	20.8	7.5	-12.3
11th	-97	19.7	-47.2	30.2	11.1	0.4	-28.3	18.8	22.9	-18.6
12th	9.8	21.1	9.5	5.8	-1.3	-5.5	6	0	-8	-0.7
13th	5.8	24.1	9.5	10.9	-0.9	-4.8	2.8	-0.3	-2.9	4.1
14th	-12.2	-0.1	-1.8	0.2	5.5	-2.1	3.4	-1.6	-0.8	3.5
15th	9.3	-48.7	-7.1	-17.1	1.8	18.5	5.7	21.1	-2	-21
16th	22.8	12.3	8.2	-1.5	-10.7	-3.3	-10.9	-1.8	4.3	-1.6
17th	-8.1	0.3	-1.7	1.1	4.1	-3.1	2.6	-2.2	-4.3	1.7
18th	-5.4	-9.6	-0.8	-0.2	5.6	3.1	2.1	1.9	5.6	2.4
19th	15.1	-3.3	0.2	-0.7	-5.9	6.1	1.4	1	-1.3	5.1
20th	-22.3	23.1	3.4	-1.4	2.6	-16.1	-2.6	2.7	6.1	-16.3

RUN 46   PT 6

V/OR = 0.100	ALFS,U = 5.00	CLRH/S = 0.099326	CTH/S = 0.099769	
VKTS = 40.0	MTIP = 0.605	CXRH/S = -0.009425	CP/S = 0.003890	

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	57.4		737.9		373.3		1289		-149.4	
RMS	413.1		382.7		428		362		183	
1/2 P-P	711.2		821.1		946.5		793.9		326.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-54.3	536.3	14.8	386.4	66.7	366	71.4	243.4	2	225.6
2nd	110.2	8.8	136.2	-30.5	214	-45.6	227.3	-66.5	51.6	28.2
3rd	-71.2	21.7	-89.2	12	-89.3	-19.5	-89.9	-49.2	7.1	21.6
4th	-27	17	-65.8	69.2	-105.5	91	-138.8	90	-19.8	1.4
5th	150.4	58.5	257.1	75	342.1	113.3	274.3	63.5	85.9	-41.3
6th	-14.7	4.2	-35.1	51.3	-40.5	69.6	-12.6	48.2	21.7	-5.8
7th	22.5	0.4	30.6	22.4	2.6	38.5	-26.7	52.5	-9.6	7.3
8th	22.8	-8.4	44.6	54.2	27.6	30.2	-6.5	-45	-9.8	-22.5
9th	-14.3	-3.5	-3	-10.1	15.6	-21.2	27.2	-3.3	9.8	4.5
10th	-15.2	-41.8	-23.2	-69.8	-15.1	-22.5	7.9	59.7	6.4	-3.2
11th	37.8	-28.9	95.7	-65.5	-4.3	-1.5	-79.5	54.7	3	-11.5
12th	-2.6	-32.8	-20.6	-40.5	4.8	-3.3	4.8	15.5	-13.1	11.9
13th	12.6	14.3	18.2	-1.6	28.6	20.5	2.6	3.1	-3.6	-15.2
14th	2.7	8	11.4	2	-11	3.2	8.1	-9.3	-17.9	1.2
15th	6	0.4	14.1	24.8	-7.3	-51.3	-8.1	4.3	14.6	5.7
16th	-4.1	-3.6	-31.2	1.1	14.1	4.5	-13.6	-1.3	-15	-0.3
17th	3.1	-2.3	4.1	-1.9	-12	11.2	8.3	1.4	-0.6	1
18th	0.1	2	9.7	3.6	-9.8	-7.3	15.3	3.7	0.5	-5.2
19th	-6.6	10.5	-2.8	-0.6	14	-36.9	-13	2.7	3.1	-1.9
20th	15.2	-24.6	-3.2	-1.7	-4.9	80.6	4.3	-4.3	-15.4	4.7

D-98

RUN 46   PT 7

V/OR = 0.100   ALFS,U = 5.00   CLRH/S = 0.049601   CTH/S = 0.049816
VKTS = 40.1   MTIP = 0.606   CXRH/S = -0.004632 CP/S = 0.001439

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	104.8		-36		-5.5		-66.1		-10.2	
RMS	33.3		29.4		30.1		41.7		16.3	
1/2 P-P	90.2		62		62		87.3		48.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-18.4	6.9	-20.4	-8.6	-16.5	-14.6	2.7	-28.2	0.5	-8.5
2nd	-13.3	0.3	-23.3	4.5	-31.7	10.7	-46.5	9.8	-15.1	3.8
3rd	1.1	-5.3	-3.6	-4.6	-6.5	-0.6	-11.1	9.2	0	1.2
4th	-2.6	-7.3	-2.9	-5.6	-1.6	-2.8	-0.1	4.4	3.9	-0.7
5th	-0.8	-6.9	-0.4	-7.3	1.6	-6.1	0.8	4	-0.3	0.5
6th	3.6	-6.9	2	-6.2	1.1	-2.6	-0.7	0.5	-0.5	-2.4
7th	8.2	-3.1	5.2	-3.4	2.5	-0.9	0.2	-1.1	0.9	-2.3
8th	2.7	-12.3	0.3	-8.9	0.1	-2.7	-0.1	-2.9	0.1	-2.4
9th	2.8	-3.4	1.2	-2.8	0.2	0.4	-0.4	-0.5	0.8	0.1
10th	0.8	7.3	1.6	4.2	0.4	0.4	0.3	2.8	0.2	-2.6
11th	-28.6	13.3	-12.4	12.2	3.5	-0.8	-7.7	7	6	-6.3
12th	-1.9	2.4	-0.3	1.7	0.6	0.9	-0.4	0.9	0.1	-1
13th	1.7	6.2	1.8	1.9	-1.2	-0.6	-0.3	-0.1	0.8	0.8
14th	2.1	5	2.1	0.6	-1	-1.6	-0.7	-1.6	1.2	1.9
15th	7.2	-4.8	0.9	-2.4	-2.5	2.5	-1.8	2.4	1.8	-2.3
16th	9.8	-2.1	1.3	-2.9	-3.7	2.1	-3	3	1.2	-2.4
17th	4.4	-0.9	0.7	-0.8	-1.6	0.8	-0.4	1.2	-1.4	-0.5
18th	-2	-1.8	-1.1	-0.1	1.3	-0.2	2.1	0.3	-0.8	0.3
19th	-7.9	-0.6	-0.4	0.5	4	-2.3	1.2	-0.3	4.3	-2.3
20th	-6.9	-4.2	0	0.8	4.6	0	0	0.1	6.6	-1.2

D-99

RUN 46   PT 7

V/OR = 0.100	ALFS,U = 5.00	CLRH/S = 0.049601	CTH/S = 0.049816
VKTS = 40.1	MTIP = 0.606	CXRH/S = -0.004632	CP/S = 0.001439

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-44.7		691.4		374.1		1278.9		-48.9	
RMS	154.9		122.9		131.2		119.1		79.7	
1/2 P-P	265.6		276.3		270.1		228.5		187.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-134.7	161.2	-78	119.7	-35.5	116.3	-31.3	78.9	-16.6	107.1
2nd	39.9	-21.2	57.8	-30.4	101.9	-56.3	96.1	-54.1	6	-2.3
3rd	5.7	23.4	0.5	21.9	4.3	8.7	-2.7	-1.2	20.7	2
4th	2.7	-3.9	-3.1	-0.4	-4.6	-6	-6.8	-9.5	-1.9	-4.1
5th	-0.3	-1.3	11.7	-36	23	-62.8	27.7	-78.9	-7.7	1
6th	0.5	7.1	-1.7	9.5	-0.3	7.3	1.2	-3.2	7	-3.2
7th	7	4.7	-2.8	7.6	-6.1	7.1	-0.9	0.9	3.7	-0.2
8th	-2.3	4.7	0.6	11	2.6	5.3	6	-10.3	1.7	-2.3
9th	-6	1.6	-3.4	3.4	0.3	-0.3	6.5	-4.3	-0.4	0.1
10th	1.9	-10.1	-1.9	-13.2	-1	-2.9	1.6	8.8	0	0.1
11th	21.9	-13.1	35.3	-32	3.3	-4.2	-24.6	20.4	-3.5	-3.2
12th	4.3	-5.4	4.9	-8.9	2.8	-2.4	-1.8	5	0.2	-0.7
13th	0.7	-5.3	-4.1	-13.8	2.1	-4.5	1.3	3.3	0.3	1.3
14th	-1.3	0.3	-4	-2.9	1.2	2.3	0.5	-1.7	-7.7	3
15th	0.8	-0.2	1.2	3.1	8	-7.7	-2.4	1	5.4	0.5
16th	-0.7	0.3	-8.1	6.1	4.4	-5	-5.7	0.8	-0.3	8.8
17th	-0.8	0.6	-1.6	1.6	5.1	-4.3	-1.8	1.1	0	0.3
18th	2.2	1.3	0.9	-0.4	-5.9	-1	0.3	-0.6	1.4	1.1
19th	3.3	4.8	1	-5.1	-17.1	-0.1	2.7	-7.9	-1.6	0.6
20th	5.6	5.9	1	-2.6	-22.5	-1.4	1.1	-2.2	-1.4	-4.7

D-100

RUN 46   PT 8

V/OR = 0.101	ALFS,U = 5.00	CLRH/S = 0.059917	CTH/S = 0.060181
VKTS = 40.2	MTIP = 0.605	CXRH/S = -0.005638	CP/S = 0.001743

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	121.7		-25.5		0		-64.5		-6.9	
RMS	57.1		41.3		35.1		51		23.1	
1/2 P-P	163.7		92.1		83.3		111.3		73.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-32.7	24.9	-28.2	-1.5	-22.2	-12.6	-8.6	-30.3	-3.6	-9
2nd	-13.1	2.9	-24.2	4.7	-31.5	9.5	-52.9	7.2	-17.9	3.5
3rd	3.8	1.2	-2.6	1	-5.8	4.9	-12.8	19.4	0.4	3
4th	-4.7	-8.6	-5.1	-7.1	-3.8	-3.9	1.4	5.2	4.4	-0.5
5th	-9	-17.1	-11.3	-16	-9.4	-13.2	10.3	9	2.4	1.7
6th	5.9	-13.4	1.9	-11.6	0.7	-7.1	0	1.1	0.8	-3.2
7th	-0.4	-6	-1.9	-3.7	-1.3	-1.3	0	-3.3	-0.3	-2.1
8th	-0.7	-29.6	-4.9	-20.4	-2.1	-6.4	-1.4	-5.6	-1.5	-4.7
9th	0.8	-2.6	-0.7	-2.3	-1	0.4	-1.1	-0.5	0.4	0.5
10th	-3.6	14.8	-0.1	10	0.4	0.8	-0.9	5.7	1.6	-4.5
11th	-45.3	9.2	-21.8	13.7	5.3	0.1	-13.3	8.5	10.5	-7.5
12th	2.1	4.4	2	2.5	0	1	1.1	1.2	-1.5	-1.3
13th	6.7	9.6	4.9	3.5	-1.6	-0.7	1.1	-1.1	-0.8	2
14th	4.3	6.3	3.3	0.9	-1.5	-1.1	-0.3	-2.9	1.2	3.3
15th	0.4	-20.1	-3	-5.8	2.4	8	3.5	8.2	-1.9	-8.4
16th	15.5	-12.6	0	-7.5	-3.9	7	-3.4	11.3	1.8	-9.3
17th	6.2	-2.8	0.8	-1.4	-1.6	2.6	-0.7	3.5	-1.6	-1.9
18th	-4.8	-0.7	-0.7	0.6	2.4	-0.9	2.3	-0.9	0.3	1.6
19th	-15.7	0.7	-0.4	0.8	7.2	-4.3	0.1	-1.2	9	-1.7
20th	-4.2	-14.8	-0.1	1.1	6.1	6.3	-2.1	-0.7	8.9	6

D-101

RUN 46   PT 8

V/OR = 0.101
VKTS = 40.2

ALFS,U = 5.00
MTIP = 0.605

CLRH/S = 0.059917
CXRH/S = -0.005638

CTH/S = 0.060181
CP/S = 0.001743

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-39.1		690.2		373.2		1273.6		-73.6	
RMS	287.7		210.2		193.7		154.3		107	
1/2 P-P	480.5		411.2		393.1		337.7		213	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-228.9	327	-134.8	237.6	-69.4	210.6	-50.8	136.9	-31.6	141.3
2nd	46.2	-22.5	67	-37.6	118.4	-65.8	108.8	-61.1	13.4	1.3
3rd	38.5	17.2	23.4	10.8	24.1	-6.7	8.9	-11.7	25.5	9.1
4th	-0.1	0.2	-6.5	10.1	-9.4	8.3	-13	4.9	-3.2	-5.4
5th	8.7	11.2	-11	-19.8	-19.8	-45.2	-36	-69.5	3.4	-4.9
6th	2.9	10.7	-3.4	20.5	-4.3	21.6	-3.6	4.3	14	-5.2
7th	9.8	-13.7	4.9	6	3.1	20.1	-3.1	21	4.6	0.2
8th	1.9	7.8	9	23.8	7.6	12.8	0.6	-20.4	0.7	-4.7
9th	8.2	14.3	8.2	7.1	3.7	-0.8	-4.6	-12.1	2.7	2.7
10th	0.1	-6.2	-0.5	-17.2	0.4	-4.5	0.1	11.4	3.2	0.6
11th	21	-20.4	46	-40.4	-0.4	-8.1	-34.7	27.8	-2.5	-6.9
12th	-6	-9.1	-10.4	-9.5	-2	-2.2	5.4	6.6	2	-3.5
13th	6	4.6	8	0.4	16.2	8.4	0.6	-0.1	-0.5	-1.9
14th	-1.1	-0.1	-7.9	1.8	-0.4	8.3	2.2	-2.5	-6.5	4.2
15th	1.1	0.9	4.5	4	-9.9	-27.6	0	2.2	2.7	-7.8
16th	0.3	3	-5.1	21.7	6.4	-9.8	-7.6	1.7	6.6	19.5
17th	-1.7	-1	-1.9	4.1	6.3	-5.2	-1.8	0.6	2.4	2.1
18th	-0.5	-1.5	4.7	-0.1	-2.8	4.4	5.3	-0.4	1.9	-1.9
19th	8.4	1.7	2.9	-4.3	-26.4	14	9	-6.6	-6.1	-1.3
20th	12.5	0.2	0.8	6.9	-31.5	1	3.5	21.5	-2.4	-6.2

D-102

RUN 46   PT 9

V/OR = 0.100   ALFS,U = 5.00   CLRH/S = 0.069534   CTH/S = 0.069827
VKTS = 40.1   MTIP = 0.606   CXRH/S =-0.006401   CP/S = 0.002142

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	140.8		-14		6.8		-61.9		-3.5	
RMS	65.7		48.5		42.4		61.4		27.8	
1/2 P-P	192.6		121.3		101.1		131.5		92.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-27	34.8	-26.6	1.6	-22.1	-12.6	-17	-32.6	-7.2	-9.7
2nd	-12.5	2.4	-24.3	2.9	-32.3	7	-60.2	2.9	-20.5	2.2
3rd	1.6	2.8	-4.1	4	-7.8	9.2	-14.7	28.3	0	4.8
4th	-7	-8.7	-7.6	-7.5	-7.9	-4.8	2.3	3.5	4.5	0.2
5th	-23.1	-30	-28.1	-24.5	-26	-19.6	24.8	13.5	7.2	3.7
6th	7.2	-19.7	1.1	-16.7	-0.7	-10.5	2.1	3.5	3.1	-4
7th	-13.3	-2.3	-9.2	1.6	-3.6	2.3	-0.3	-4.6	-2.6	-1.9
8th	-9.3	-35.3	-11.9	-22.1	-4.6	-6.9	-1.6	-8.3	-5.3	-4.2
9th	-2.1	2.3	-2	2.3	-1.6	1.2	-1.9	-1.4	0.7	3
10th	-8.8	18.4	-1.9	13.3	-0.1	0.5	-2.7	7.5	4.5	-4.7
11th	-35.5	6.1	-16.5	9.8	4.6	0.7	-9.3	7.5	8.1	-7.1
12th	2.8	11.7	4.1	5.1	0.8	-0.7	5.1	1.8	-5.9	-1.8
13th	5.8	11.3	6.5	4.4	-0.1	-0.7	4.4	-2	-4.5	2.9
14th	1.9	2.4	2.9	-0.7	0.3	-0.5	-1	-2	1.6	2.8
15th	8	-26.2	-2.3	-9.3	0.2	10.9	-1.1	13.9	2.8	-13.4
16th	22.4	-6.5	3.7	-6.3	-7	5.5	-6.9	10.1	4.9	-9.4
17th	6	-2.8	0.2	-1.3	-1.6	2.6	0.9	1.5	-3.5	0.4
18th	-8.7	-2.6	-2.1	0.7	4.3	-0.8	2	-2	0.3	5.2
19th	-20.6	-4.1	-0.6	1.6	10.2	-3.5	-1.8	0.1	11.9	0.3
20th	-4.3	-8.5	0.1	1	4.3	3.2	-1.8	-0.4	5.3	-0.1

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RUN 46   PT 9

V/OR = 0.100   ALFS,U = 5.00   CLRH/S = 0.069534   CTH/S = 0.069827
VKTS = 40.1   MTIP = 0.606   CXRH/S = -0.006401   CP/S = 0.002142

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-15.4		701.6		374.4		1275.7		-92.4	
RMS	327.2		240.7		226		170.1		123.6	
1/2 P-P	512.3		433.1		449.7		325.3		236.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-183	414.9	-95.5	300.2	-31	263	-22.3	172.9	-24	165.1
2nd	48.7	-24.3	74	-42.7	131.8	-71.2	127	-64.6	19.5	6.5
3rd	30.9	-20.3	10.9	-22	10	-41.4	-3.7	-40.8	25.7	7.8
4th	7.6	12	2.2	29.7	1.9	34.6	-6.4	27.3	-4.8	-5.5
5th	43.6	25.9	35.5	18	40.7	11.3	1.3	-14.7	16.2	-14.3
6th	4.8	13	-4.4	30.4	-6.9	34.8	-9.4	16	18.7	-3.9
7th	-9.7	-10.6	4.9	6.3	9.7	17.4	3.4	26.9	-2.7	1.4
8th	6.8	2.3	16.9	23	10.4	13.7	-5	-18.9	-2	-7.5
9th	24.8	-13.6	14.9	-15.8	4.3	-2.9	-10.7	3.9	3	3
10th	-4.6	-7.9	-1.9	-20.8	-1.9	-3.7	-2.6	12.3	1.5	-1
11th	1	-2.7	25.3	-15.7	-5.1	0	-21.9	16.5	0.1	-3.3
12th	0.9	-12.1	-5.7	-19.2	0.4	-2.9	6.6	12.3	-3.5	-0.5
13th	16.3	-8	18.1	-26.3	21.6	-8.8	1.9	6.9	-5	-8.4
14th	-2.6	0.8	-4.8	1.8	-1.1	3.9	4.4	-3.5	-15.6	3.9
15th	3.6	1.4	1.7	18.2	-5.4	-25.7	-0.3	3.6	4.1	-1.3
16th	-0.9	2.1	-15.7	12.6	11	-17.2	-8.7	1.2	6.5	9.9
17th	-2.7	3.9	-3.6	0.9	2.7	-13.7	-3.4	1.6	6.1	-1.5
18th	0.2	2.3	6.5	-3.8	-8.7	-3.1	8.2	-1.7	3.9	-3.9
19th	-3.1	-3.6	11.1	-5.1	-13.5	11.8	28	-6.3	-6	-3.1
20th	0.9	2.9	2.5	-1.7	-13.7	-9.1	8.3	2.2	-4.6	-5.1

RUN 46   PT 10

V/OR = 0.101   ALFS,U = 5.00   CLRH/S = 0.079524   CTH/S = 0.079865
VKTS = 40.1   MTIP = 0.605   CXRH/S = -0.007379   CP/S = 0.002625

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	160.3		-2.1		16		-59.3		-0.2	
RMS	80.4		60.1		49.1		73.3		33.5	
1/2 P-P	240.7		146.2		115.1		174.4		116	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-28.9	43.3	-28.5	4.3	-21.3	-13	-24.1	-36.4	-10.8	-11.7
2nd	-11.1	3.1	-24.3	1.2	-32.9	3.4	-66	-1.4	-22.6	0.3
3rd	-0.2	5.6	-5.1	6.9	-10.7	12.4	-17.9	37.8	0	6.8
4th	-10.6	-8.9	-11.7	-7.1	-12.6	-2.7	1.5	1.2	4.8	0.6
5th	-32.3	-46.7	-41.1	-34.7	-35.7	-25.9	35.2	20.8	11.1	5.8
6th	7.9	-20.1	0.5	-16.4	-1.1	-10.2	5.6	3.1	5	-4.3
7th	-26.9	1.9	-18.1	5.7	-6.8	4.4	1.1	-6.6	-6.6	-1
8th	-5.4	-42.2	-9.5	-28.2	-2.1	-9.2	-0.9	-9.8	-5.4	-4.1
9th	-6.5	3.1	-3.7	4.2	0.1	1.7	-4.3	-0.2	2.3	3.9
10th	-16.5	18.1	-5.8	14.3	0.5	2.2	-5.5	9.7	6.9	-5.8
11th	-25.9	28.3	-8.6	20.7	3.5	-0.4	-3.3	14.8	4.2	-13.8
12th	-5.5	15.9	1.7	7.5	2.6	-3	5	2.1	-5.2	-1.7
13th	3	13	6.1	3.9	-0.5	-3.5	2	-3.3	-2.7	5.2
14th	7.5	-1.6	2.8	-3.7	-3.1	0.5	-6.4	0.8	5.5	1.8
15th	21.2	-30	0.6	-13.3	-4.9	13.3	-5.5	17.1	6.1	-16.8
16th	17.7	-9.5	1.5	-5.8	-5.8	5.9	-2.2	6.6	0.5	-8.5
17th	0.6	-9.5	-2.2	-1	1.2	4.3	4.3	-0.7	-5	2.4
18th	-9.1	-4.4	-2.4	0.7	4.5	0.5	2.7	-1.2	0.9	5.2
19th	-10.2	7.4	-0.9	0.6	1.8	-5.8	-0.2	2.1	4.3	-5.7
20th	-14.7	10.3	1.2	-0.2	3.9	-9.8	-1.1	2.3	5.6	-15.7

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RUN 46   PT 10

V/OR = 0.101   ALFS,U = 5.00   CLRH/S = 0.079524   CTH/S = 0.079865
VKTS = 40.1   MTIP = 0.605   CXRH/S = -0.007379   CP/S = 0.002625

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	8.3		711.3		378.2		1273.5		-111.2	
RMS	358.7		283.3		285.3		219.3		142.7	
1/2 P-P	585.7		554.4		580.7		460.5		282.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-149.6	466.1	-63.1	334.9	0.2	298.1	2.3	199.7	-19.3	187.2
2nd	62.1	-22.5	90.2	-45.3	152.2	-70.1	150.4	-66.2	29.2	12
3rd	-9.9	-35.2	-32.6	-34.8	-29.6	-55.1	-38.3	-57	26.2	10.2
4th	15.3	6.3	5.1	29.7	6.5	34.4	-11.6	26.7	-7.7	-2.8
5th	88.2	40.5	122.5	66.5	158.1	89.9	105.4	68.5	35.1	-27.7
6th	11.9	13.1	-10.3	35.8	-23.2	48	-25.9	32.5	20.9	-5
7th	-1.6	12.3	14.9	13.3	7.3	18	-12.9	17.6	-6.6	5.2
8th	4.8	5	14.9	29.3	8.6	19.5	-1	-28.3	-4.1	-8.5
9th	-2.7	-23	3.5	-20.6	6.7	-7.7	2.5	3.8	1.2	2.4
10th	-12.2	-21.7	-4.4	-31	-6.1	-8.6	-3.1	26.6	0.6	-3.3
11th	17.1	-15.1	23.5	-42.4	-1.7	-2.9	-14.7	39	3.9	-5.8
12th	10.8	-24.5	7	-40.5	1.9	-7.1	2.9	19.9	-9.8	2.9
13th	6.7	-17.7	-3.9	-41.8	7.6	-18.6	5.3	8.9	-9.3	-6.4
14th	-1.7	3.6	-7.8	5.8	3.2	-4.3	-0.6	-2.9	-7.7	13.1
15th	2.4	1.4	-0.9	15.7	9.2	-44.9	-5	4.7	9.7	4.6
16th	1.1	-0.2	-15.7	18.2	-0.1	-7.7	-11.2	6.3	8.2	10.2
17th	1.6	0.2	4.1	5.4	-2.8	-7.8	-0.5	9.2	8.4	-3.7
18th	0.8	-2.3	9.6	2.2	-4.9	7.3	9	3.3	2.4	-2.8
19th	2	2.4	2.9	-7.6	-7.7	11.7	2.2	-18.7	-1.5	3.4
20th	0.6	1.7	2.8	-11.7	-6.8	16.2	9.9	-28.8	-7.8	3.9

D-106

RUN 47   PT 5

V/OR = 0.101   ALFS,U = 10.00   CLRH/S = 0.068796   CTH/S = 0.070013
VKTS = 40.0   MTIP = 0.604   CXRH/S = -0.013032   CP/S = 0.001331

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	147.8		-29.6		-12		-80.4		-3.2	
RMS	49.9		43.7		42.1		48.9		17.3	
1/2 P-P	139		105.8		94.9		93.6		47.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-35.7	20.1	-32.8	-6.5	-26.5	-13.9	-17	-22.1	-4.9	-7.1
2nd	-19.5	2.8	-30.7	6.5	-39.1	13.4	-52.7	18.4	-14.7	3.9
3rd	-4.2	-14.1	-12.6	-11.9	-16.6	-7.5	-19.2	-4.3	0.5	-4.8
4th	0	-7.6	-1.9	-6.2	-2.2	-3.8	-4	0.9	-0.6	-0.9
5th	14.3	-4.8	12.4	-9.4	11.4	-10	-11	9.4	-5.9	3.9
6th	13.4	5.5	13.1	2.3	8.5	1.4	-7.3	-0.6	-0.4	-2.9
7th	17.7	-0.3	12.9	-3.3	6.2	-1	-1	-0.7	1.8	-5.2
8th	23.7	-0.1	17.3	-4.8	7	-2.7	2	-1.9	2.1	-2.5
9th	16.2	-0.3	10.5	-4.1	2	-2	2.2	-2.2	0.3	0.3
10th	11.9	-0.8	6.8	-3	1.2	-2.1	1	-1.2	0.5	-0.3
11th	-16	-10.2	-10.3	-2.1	2.8	1.2	-8.4	-0.3	6.2	-0.5
12th	7.1	-17.7	-0.1	-8.8	-0.3	5.1	-1.7	-3.3	-0.2	2.7
13th	3.1	-8.3	-0.8	-4.6	-0.6	3	-1.5	-1.6	-0.2	2.9
14th	-2	0.1	-0.7	0.3	1.2	0.5	-0.1	-2.4	-0.2	4.1
15th	-10.6	3.3	-1.4	3.8	5.2	-1.6	3.5	-4.3	-2.2	4.5
16th	-12.9	-11.3	-5.1	0	8.5	2.9	8.2	1.3	-5.4	-2.3
17th	-4.4	-6.1	-2.3	-0.6	3.9	2.2	3.8	1.2	-3.5	-2.4
18th	-1.7	-1.6	-0.7	0.4	1.1	-0.2	1.4	-0.5	-2.9	-0.5
19th	-0.5	1.4	0.1	0.4	0.2	-1	0.5	-0.4	-2.2	0
20th	-4.2	5.4	0.3	0.3	0.4	-3.9	0	0.4	0.5	-3

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RUN 47   PT 5

V/OR = 0.101   ALFS,U = 10.00   CLRH/S = 0.068796   CTH/S = 0.070013
VKTS = 40.0   MTIP = 0.604   CXRH/S = -0.013032   CP/S = 0.001331

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-21.8		723.1		428		1350.7		-31.7	
RMS	295.9		214.3		204.5		168.3		108.4	
1/2 P-P	517.5		454.4		432.1		349.2		205.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-240.3	327.5	-132	232.3	-51.2	197.7	-23	114.6	-23.4	146.4
2nd	47.3	-35.6	74.1	-51.1	134.5	-88	124.9	-89.3	9.5	-1.2
3rd	55	28.7	50.3	19.5	61.8	5.1	39.4	-10.4	18.6	-5.5
4th	5.3	-15.5	-10.1	-29.7	-16.6	-48.2	-25.9	-55.8	-0.9	-1
5th	-17.6	11.9	-22.2	-38.9	-24.7	-75	-14.5	-102.8	-4.8	24
6th	-7.5	-1.3	-22.5	3.1	-31.7	5.4	-20.4	6.1	-3.8	2.2
7th	-1.1	7.5	-11.9	10.9	-11.5	11	4.2	0.8	-1.2	2.8
8th	-12.6	12.8	-19.1	14.9	-8.2	8.4	20	-9	1	2.3
9th	-14.8	15.7	-13.9	14.4	0	5.7	19.7	-11.8	0.6	2.1
10th	8.5	-5.4	-0.2	-2.6	4	-1.2	3.6	0.1	2.7	0.9
11th	27.4	7.7	41.2	4.6	9.5	-1.4	-27.4	-6.1	0.1	-3.5
12th	-7.5	8.3	-6.6	29.8	-2.8	3	0.9	-13.5	5.2	-1.8
13th	-17.7	-1	-28.7	17.3	-20.1	3.8	5.5	-4.3	1.2	5.5
14th	-1.8	0.4	1.1	4.3	-0.4	5.4	0.3	-0.5	-1.3	-0.7
15th	-0.6	-2.2	6.3	-2.1	-5.8	10	3.8	0.8	-6.8	-12.7
16th	2.5	1.4	16.8	-0.4	-12.5	-9.1	5.3	2.3	5.2	-8.1
17th	4.9	1.7	5.1	4.7	-11.1	-0.8	-0.2	2.7	3.3	-0.3
18th	-2.3	-0.1	6.7	-1.4	4.7	-3.4	4.1	0.1	3.4	-1.9
19th	-4.9	4.2	1.9	-5.8	4.6	-10.2	2.3	-8.4	3.1	-0.1
20th	-2.5	-11	2.8	0.1	12.2	20.7	9.3	0.2	-1.5	-0.2

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RUN 47   PT 6

V/OR = 0.100   ALFS,U = 10.00   CLRH/S = 0.079215   CTH/S = 0.080596
VKTS = 39.9   MTIP = 0.605   CXRH/S = -0.014886   CP/S = 0.001721

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	165.8		-19.8		-7.6		-78.5		0.5	
RMS	79.3		59.5		45		55.5		24.4	
1/2 P-P	253.2		159.6		102.3		128		69.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-34.1	28.4	-34.1	-4.2	-30.1	-14.4	-21.2	-26.6	-7.2	-8.5
2nd	-18.8	2.4	-31.2	6.4	-39.2	13.2	-55.3	11.4	-15.3	2.2
3rd	-3	-13.3	-9.4	-9.1	-12.3	-3.7	-20.7	1.2	1.3	-4.3
4th	6.4	-6.4	4.8	-7.6	4.4	-6	-9.3	5.9	-1.6	-0.2
5th	21.5	-9.3	16.2	-14.5	12.8	-13.6	-11	12.5	-4	2.6
6th	21.5	-5.6	17.8	-8.2	11.9	-5.4	-9.6	2.2	0.6	-6.5
7th	11.4	-25.5	5.1	-20.6	1.6	-10.1	-2.3	-1.6	-0.2	-10.6
8th	39.8	-22.1	24.2	-22.4	8.8	-9.2	2.5	-4.8	6	-6.7
9th	11.4	-8.7	4.4	-8.9	-1.2	-3.1	-0.9	-2.8	2	-1.3
10th	-10.6	-0.8	-6.8	0.7	0.8	-2.2	-5.7	1.6	4.4	-2.8
11th	-72.4	-32.5	-43.5	-3.9	7.6	4.5	-25.8	-2.5	18.9	2.5
12th	-5.6	-16	-5.8	-5.1	0.8	4.2	-1.7	-3.7	-0.2	3.4
13th	-5.2	5	-1.8	2.6	1.3	-1.1	0.4	-3.3	-1.1	4.1
14th	-6.4	16.3	1.1	6.7	1.4	-5.3	0.7	-6.3	-0.2	6.5
15th	-9.6	11.6	-0.2	6.5	3.5	-4.8	2.6	-5.5	-1.7	4.2
16th	-1.2	-1.3	-1.7	0.1	1.3	-0.4	2.4	1.4	-2	-3
17th	5.6	1.2	0.8	-1.2	-2.3	1.3	-1.6	2	-1.1	-2.6
18th	3.5	0	0.3	-0.4	-1.3	0.7	-1	1.1	-0.7	-0.5
19th	-2.1	-2.9	0.4	0.2	1.9	1.5	-0.4	0.7	2.8	0.2
20th	-1.2	-9.5	-0.4	1.1	3	4.5	-0.5	-0.1	3.3	4.3

RUN 47   PT 6

V/OR = 0.100   ALFS,U = 10.00   CLRH/S = 0.079215   CTH/S = 0.080596
VKTS = 39.9   MTIP = 0.605   CXRH/S = -0.014886   CP/S = 0.001721

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-6		738.8		445.8		1370.2		-52.3	
RMS	320.3		249.9		241.9		193.4		128.4	
1/2 P-P	557.2		520.5		500.7		393.4		258.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-165.9	401.5	-64.3	282.2	16.1	237.3	25.9	137.3	-12.2	174.6
2nd	56.5	-49	86.8	-68	150.4	-108.7	136.8	-105.4	11.2	0
3rd	33.4	-45.4	23.5	-47.8	29.1	-63.5	10.3	-63.4	18.4	-4.5
4th	0.4	-16.8	-17.7	-30.5	-27.4	-45.8	-31.3	-53.2	5.4	9.1
5th	-16.8	55.6	-20	86.5	-28.1	113.5	-14.4	93.1	5	32.5
6th	-18.8	14.2	-24.2	23.7	-24.7	26.7	-4	8.7	1.9	4.6
7th	-24.4	18.5	-9.6	34.7	4.2	27	17	-14.5	-1.3	0.7
8th	-7.7	29.8	-20.1	39.7	-7.3	19.7	25.8	-28.4	10.4	-1.9
9th	-0.6	6.8	-1.3	12	6	8	9.1	-8.4	3.4	3.7
10th	-0.8	4.1	11	-0.3	3.1	-0.5	-8.4	-4.6	0.3	3.5
11th	42.1	15.4	102.5	12.3	6.6	-0.4	-72.2	-11.2	-2.7	-8.1
12th	6.6	8.2	19.7	21.7	4.5	3.7	-10.9	-7.9	4.5	-8.6
13th	-7.3	3.8	-4.6	9.5	-6.5	14.7	0.6	-2.4	-1.6	5.8
14th	-2	-0.5	-3.9	-9.5	-2.5	15.1	2.2	-1.8	-5.9	1.3
15th	-0.3	0.1	7.2	-0.1	1.1	23.2	1.4	-1.7	-5.1	-8.5
16th	1.9	2.2	3	-0.5	-1.8	-3.4	-2.9	-2.2	7.1	2.9
17th	-0.4	0.5	-3.4	5.1	5.6	1.3	-4.4	-1	-2.1	7.1
18th	-1.2	1.4	-3.2	1.8	2.9	-2.5	-2.5	-0.2	1.7	3.4
19th	-4.5	-0.3	4.4	1	5.4	-2.6	10.5	0.8	1.1	-2.7
20th	5	3.1	1.7	2.2	-15.4	-6.2	3.8	9.6	0.8	-5.1

RUN 47   PT 7

V/OR = 0.100   ALFS,U = 10.00   CLRH/S = 0.088574   CTH/S = 0.090138
VKTS = 39.9   MTIP = 0.606   CXRH/S = -0.016757   CP/S = 0.002136

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	181.3		-10.8		-2.5		-75.9		3.3	
RMS	92.3		68		48.8		56.6		26.7	
1/2 P-P	273.5		184.6		107.7		139.6		76.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-35.5	40.8	-36.1	0.3	-31.5	-12.4	-22.3	-31.7	-10.3	-10.3
2nd	-22.2	6.4	-32.1	9.2	-37.8	16	-55.3	5.1	-16.3	1.1
3rd	-2.8	-9.4	-4.6	-4.9	-4.1	0.2	-14.6	6.5	2.6	-2.4
4th	12.6	-8.5	10	-11.5	9.1	-11	-10.3	9.7	-1.7	1.8
5th	26.9	-22	18.4	-25	15.8	-22.1	-11.5	14.9	-2.6	2.4
6th	22.7	-20.1	15.8	-21	10.3	-15	-10.2	5.5	1.3	-7.7
7th	-5.8	-33.4	-9.3	-25	-5.9	-13.4	-3	-1.2	-3.7	-11.3
8th	23.1	-46.7	8.6	-36.2	3.2	-13.8	1.6	-6.8	2.4	-10.9
9th	-5.5	-13.4	-7.3	-8.3	-3.3	-3	-2	-2.7	0.2	-2
10th	-24.5	13.2	-13.2	11.5	0.1	-0.3	-5.8	5	4.1	-4.5
11th	-82.7	11.6	-40.9	21.4	9.3	0.7	-23	9.3	18.4	-7.1
12th	-16.7	4.7	-6.9	6.6	3.4	0.5	-2.6	0.7	1.1	-1.6
13th	-3.5	17.3	1	7.4	0.2	-3.9	0.4	-1.3	-1.6	1.9
14th	-0.9	18.9	3.6	6.4	-0.9	-5.4	1.2	-5.1	-1.2	5.8
15th	-1.8	3.9	-0.1	2	0.5	-0.7	2.2	-1.9	-1	1.7
16th	11.3	-1.7	2.2	-2.6	-3	2.1	-4.5	3.5	3.7	-4.4
17th	4	1.3	0.4	-0.7	-1.8	0.6	-3.5	2.5	0.4	-4.1
18th	-0.6	2.2	-0.1	-0.3	-0.2	-1.2	-1.6	2.5	-0.7	-2.9
19th	-5.1	1.9	0.7	0.7	1.6	-2	-0.1	0.5	2.1	-1.2
20th	3.7	0.4	-0.6	0.7	-2.4	2.1	0.8	-0.6	-1.6	2.6

D-111

RUN 47   PT 7

V/OR = 0.100	ALFS,U = 10.00	CLRH/S = 0.088574	CTH/S = 0.090138	
VKTS = 39.9	MTIP = 0.606	CXRH/S = -0.016757	CP/S = 0.002136	

	Chord Bending, ft-lb MREB1A, r/R=0.127	Chord Bending, ft-lb MREB2, r/R=0.200	Chord Bending, ft-lb MREB3, r/R=0.300	Chord Bending, ft-lb MREB4A, r/R=0.454	Pitch Link Load, lb MRPR3
MEAN	1	747.6	451.4	1380.4	-71.2
RMS	348.2	285.4	289.7	236.1	143.6
1/2 P-P	622.6	592.4	593.1	566.6	261

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-118.8	455.8	-18.2	317.7	61.4	268.9	54.4	159.9	-7.8	196.7
2nd	31.1	-39.1	71.9	-67.7	139.6	-112.4	130.1	-107.1	5.5	7.5
3rd	-46.1	-50	-50.9	-47.6	-50.9	-64.3	-50.4	-60.5	10.8	0.5
4th	-6.8	-5.8	-21	-14.4	-30.1	-20.4	-22.1	-36.5	13.2	12.1
5th	4.8	77.4	49.2	138	75.8	191.8	101.6	156.7	20.6	27.7
6th	-12.9	31.1	-20.6	47.7	-24.2	55.3	-13.5	13.2	8	4.8
7th	-12	46.2	6.7	47.8	8.2	26.4	-10.6	-35	-1.2	0.3
8th	7	22.2	1.4	49	1.3	29.5	5.6	-32.5	6.5	-9.5
9th	2.7	15.2	13.3	15.2	9.9	5.6	-4.3	-14	2.7	2.7
10th	-1.9	-3.2	14.3	-18	2.5	-1.4	-9.2	12.9	2.5	4.1
11th	54.8	-28	101.9	-63.6	6.6	-10.9	-71.9	40.6	-7.8	-6
12th	5.6	-17.3	14.6	-24	-1.6	-5.2	-8.4	13.2	-2.4	-6.8
13th	-1.6	17.3	9	18.9	8.6	33.1	-3.4	-4.3	0.6	9
14th	-3.1	0.2	-5.5	-7.4	3.3	17	0.2	-2	-9.6	6
15th	-0.8	3.1	4.2	11.5	2.9	17.2	-1.4	0.1	3.2	0.7
16th	-1.4	3.5	-2.8	0.8	13.6	-13.3	-3	-2.9	3.6	6.1
17th	-1.6	1.3	-3.4	4.6	4.5	1.9	-1.8	-2.7	1.2	9.4
18th	-6.2	4.3	3.8	-6.2	10.4	-9	6.2	-9.8	0.5	5.6
19th	-4.4	-10	5.3	1	11.3	14.5	14.2	1.5	-1.8	-2.6
20th	5	2.2	-4.5	0.4	-6.2	-0.2	-9.9	4.7	2.5	-1.5

D-112

RUN 47   PT 8

V/OR = 0.100   ALFS,U = 10.00   CLRH/S = 0.099494   CTH/S = 0.101203
VKTS = 40.0   MTIP = 0.606   CXRH/S = -0.018549   CP/S = 0.002799

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	203.4		2.7		4.2		-73.8		8.1	
RMS	90		69.8		51.7		58.9		28.5	
1/2 P-P	262.1		181.7		117.4		128.5		78.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-30.2	49.5	-33.9	3	-28.7	-12	-24.7	-39.6	-14	-13.4
2nd	-18.8	12.4	-27.9	10.3	-31.9	13.6	-55	-4.7	-17.7	-0.9
3rd	1.5	2.4	4.1	-0.9	5.6	0.8	-6	11	3	0.4
4th	9.5	-14.4	7.1	-20.1	5.8	-20.5	-5	13.3	-1.8	4.4
5th	17	-49.9	6.1	-46.9	6.3	-37.9	-4.9	25.3	0.5	5.6
6th	15	-39.2	4.8	-34.9	3.1	-22.8	-7	10.9	4.6	-7.6
7th	-22.6	-27	-22.7	-16.6	-11.2	-9.1	0	-0.6	-4.6	-10.5
8th	-11.4	-62.8	-18.2	-40.7	-5.1	-14.3	1.6	-10.9	-6.7	-14.5
9th	-7.6	-12.7	-9.2	-6.7	-3.3	-1	0.5	-7.6	-3.9	2.2
10th	-7.3	9.8	-3.9	7.8	-0.8	2	-0.9	-0.8	2.1	3.1
11th	-31	22.8	-11.8	19.9	3.7	1.5	-6.3	11.8	8.2	-7.7
12th	-13.8	-0.7	-6	3.2	4	2.7	0.7	5	-1.3	-4.8
13th	-9	7.6	-3.6	4.3	1.2	-1.2	2.2	2.1	-4.1	-0.7
14th	-12.3	14.7	0.1	5.8	3.2	-5.9	2.5	-3.7	-2.4	4.8
15th	-4.8	19.4	1.7	6.9	-0.6	-6.8	-2.7	-5.5	4.1	4
16th	1.3	9.5	2	2.5	-0.5	-3.7	-4.3	-2.4	3.7	-1.1
17th	4	5.2	0.5	0.6	-2	-1.4	-3.8	-1.4	1.4	0.4
18th	2.5	1.7	1.2	0.2	-1.7	-0.1	-3.1	-0.4	1.8	2.5
19th	-8.7	-1.1	0.1	0.5	3.8	-1.9	-0.3	0.1	5.8	-0.5
20th	5.9	-13.2	-0.7	1.4	-0.6	8.3	1.8	-2	-1.2	8

D-113

RUN 47   PT 8

V/OR = 0.100   ALFS,U = 10.00   CTH/S = 0.101203
VKTS = 40.0   MTIP = 0.606   CP/S = 0.002799
                   CLRH/S = 0.099494
                   CXRH/S =-0.018549

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
MEAN	49.6		780.7		477.6		1392.5		-91.7	
RMS	400		338.4		367.1		300.6		164.8	
1/2 P-P	639.2		638.6		773.7		717.8		275.2	
HARMONIC										
1st	-92.3	522.4	4.8	367.1	80.9	317.3	62.9	200	-4.8	222.1
2nd	62.6	-10.7	96.9	-48.6	153.1	-92	143	-85.2	8.5	22.6
3rd	-127	27.6	-125.6	30.5	-131.4	18.1	-107.1	0.3	9.8	19.9
4th	-3.5	16.2	-3.1	10.9	2.3	13	9.9	-26.3	15.7	10.5
5th	49.7	96.3	171.7	135.3	261	176.1	275.5	107.4	42	4.8
6th	11.3	35.8	6.2	68.8	-0.7	83.4	-16	35.8	25.1	-4.7
7th	17.9	35.4	30.4	36.6	15.3	26.5	-28.9	-12.1	4.2	-5.6
8th	31.1	-0.5	34.6	41.1	9.9	31.3	-21.1	-28.6	-0.2	-18
9th	12.3	9.2	18	11.1	8.9	4.7	-7	-17.3	3.2	2.5
10th	19.9	-11.5	16.8	-20.8	6.7	-6.7	-8.4	7.2	3.2	-0.2
11th	40.5	-9.7	54.2	-45.2	10.3	-9.6	-38.8	31.6	2.5	-5.3
12th	-0.2	-6.1	10.2	-8.4	-5	-3.7	-3.7	10.4	-3	-9.8
13th	-1.9	6.3	12	8	5.5	19.7	0.6	3.1	6.3	7.3
14th	-6.7	-1.8	-1.9	-13.9	-5.1	12.2	9.7	-1.8	-22.3	6.9
15th	-2.7	3.8	1.4	-1.4	8.4	26.8	1.1	-6.8	-0.4	3.7
16th	-0.1	0.3	-11.5	-5.4	-5.1	5.4	-6.6	-5.4	-3.9	-4.5
17th	-2	1.4	-1.5	-5	9.4	-1.4	-4.9	-1	8.1	2.5
18th	-2.1	-5.6	-5.3	1.3	5.1	7.2	4.2	6	-2.6	-4.3
19th	-14	3.4	6.4	-10.1	5.4	-14.4	23.2	-13.9	-5.7	-3.2
20th	16.6	7.9	-5.5	5.5	-33.5	-10.7	-22.6	20.4	6.6	-7.5

D-114

RUN 49   PT 5

V/OR = 0.100   ALFS,U = 10.00   CLRH/S = 0.069145   CTH/S = 0.070314
VKTS = 39.9   MTIP = 0.605   CXRH/S = -0.012779   CP/S = 0.001391

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	140.4		-24.8		-12.5		-82.1		-5.4	
RMS	51.4		44.7		42.8		49.3		18.5	
1/2 P-P	139.9		106.4		90.1		97.7		54	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-30.7	19.5	-30.8	-6.3	-28.9	-13.9	-16.1	-22.9	-4.7	-7.5
2nd	-18.9	2.5	-30.2	6.4	-40.2	14	-52.7	17	-14.8	3.5
3rd	-3.7	-14	-11.8	-11.2	-15.4	-6.3	-19.5	-3.8	0.4	-4.8
4th	0.4	-8.3	-1	-6.9	0.8	-4.5	-4.6	1.8	-0.7	-0.7
5th	14.9	-4.9	13.2	-10	10.6	-9.5	-11.1	9.8	-5.6	3.8
6th	14.8	4.3	13.9	0.9	8.8	2	-7.4	-0.3	-0.2	-3.6
7th	18.3	-2.8	13	-4.9	5.7	-1.7	-1.1	-0.8	1.6	-6.2
8th	27.7	-5.2	19.6	-8.9	7.7	-5.1	2.2	-2.7	2.8	-3.6
9th	16.1	-2.9	10	-5.8	0.6	-1.2	1.6	-2.7	0.7	-0.2
10th	8.8	-1.9	5	-3.2	-0.2	-0.3	-0.2	-1.1	1.2	-0.7
11th	-23.8	-17	-15.5	-4.2	2	2.4	-11.2	-1.6	8	0.5
12th	6.2	-19.7	-0.6	-9.6	-0.3	3.2	-1.5	-4	-0.7	3.6
13th	2.2	-7	-0.9	-3.8	-1	2.7	-1.3	-2.4	-0.5	3.7
14th	-3	2.9	-0.5	1.3	1.1	-0.6	-0.2	-3.7	-0.3	5.2
15th	-11.9	5.9	-1.1	5.2	3.9	-3.1	3.4	-5.8	-2.6	5.1
16th	-12.8	-10.9	-5	0	6.5	2.2	8	1.2	-6.1	-2.5
17th	-2.8	-6.4	-2.3	-1	2.7	2	3.4	1.7	-4.1	-2.5
18th	-0.8	-1.9	-0.5	0.1	1.9	0.2	1.3	-0.3	-2.8	0
19th	-0.1	0.6	-0.1	0.3	0.2	-0.5	0.3	-0.4	-1.1	0.4
20th	-1.6	2.3	0	0.5	0	-1.5	-0.2	0.3	0.7	-1.2

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RUN 49   PT 5

V/OR = 0.100   ALFS,U = 10.00   CLRH/S = 0.069145   CTH/S = 0.070314
VKTS = 39.9   MTIP = 0.605   CXRH/S = -0.012779   CP/S = 0.001391

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-33.3		700.9		401.6		1330.9		-26	
RMS	301.6		219.5		204.4		171.3		109.1	
1/2 P-P	529.6		462.5		438.7		357		224.5	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-254.8	328.3	-143.8	233.8	-59.8	197.9	-26.5	114.9	-21.1	147
2nd	39.5	-31.5	67.8	-47.8	129.1	-86.2	122.4	-87.9	8.5	-1.6
3rd	48.2	30.2	43.6	21.2	53.1	4.7	33	-11.2	20.4	-5.4
4th	4.9	-15.2	-11.2	-28.4	-19.5	-45.6	-27.8	-53.3	-0.3	-0.7
5th	-19.6	11.7	-23.8	-44.4	-25.4	-84.5	-12.8	-114.5	-5.7	24.4
6th	-8.5	0.9	-24.3	4.9	-33.3	5.9	-20.5	3.7	-3.9	2.2
7th	-0.1	10.6	-12.1	-13.9	-13.7	11.5	1.2	-3.2	-1.1	0.4
8th	-11	16.2	-20.1	20.4	-9.4	10	20.3	-14.1	1.4	0.8
9th	-12.9	18	-12.6	17.5	-0.1	5.9	17.6	-14.6	0.3	2.7
10th	9.6	-6.6	2.8	-3.5	3.3	-1.1	0.5	0.9	1.7	0.7
11th	32.4	13.3	53.8	12.6	9.9	-0.3	-36	-11.1	-0.3	-4.9
12th	-5.6	10.9	-2.3	34.1	-1.5	5	-0.9	-14.6	5.9	-3.2
13th	-16.5	-2.4	-26.4	12.9	-18.8	2.3	4.9	-2.6	0.2	4
14th	-2.1	-0.6	-0.5	0.6	-1.6	6.4	0.4	-0.3	-3.8	0.5
15th	-0.4	-2.5	7.7	-3.6	-4.9	13	4.4	1.2	-5.9	-16.2
16th	2.7	0.7	17.1	-1	-11.2	-8.6	5.3	2.8	6.6	-10.5
17th	4	1.6	4.1	5.5	-9.7	-2	-0.6	3.3	4.3	1.2
18th	-2	0.4	6.1	-0.7	5.2	-4.4	3.9	0.9	5.1	0.3
19th	-6.2	3.9	2.3	-5.3	6.6	-12	4.4	-7.7	2.9	-2.2
20th	-5.3	-8.7	3.2	0.9	14.2	11.6	10.4	2	-0.5	-1.9

RUN 49   PT 6

V/OR = 0.100	ALFS,U = 10.00	CLRH/S = 0.098228	CTH/S = 0.099873
VKTS = 39.9	MTIP = 0.606	CXRH/S = -0.018067	CP/S = 0.002746

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	192.1		5		1.1		-76.4		54.9	
RMS	86.9		67.5		52.5		57.3		27.6	
1/2 P-P	240.3		176.3		129.8		126.3		76.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-29	50.5	-33.2	4.1	-31.1	-10.4	-23.8	-38.4	-13.2	-12.8
2nd	-20.1	11.8	-28.9	9.9	-35	14.6	-54.8	-4.2	-17.1	-0.8
3rd	1.1	0.8	3.4	-0.9	5.2	1.6	-6.6	11.5	3	0.4
4th	8.4	-13.6	6.8	-18.9	7.2	-20.1	-5.1	12.3	-1.5	4.5
5th	16	-46.3	5.1	-43.7	2.9	-35.8	-2.9	22.8	1.4	5.3
6th	17.6	-38.9	6.6	-34.8	3.4	-24.5	-6.8	10.2	4.5	-7.3
7th	-18.6	-26	-19.7	-17.1	-9.9	-8.4	-0.3	-0.5	-4.3	-10.1
8th	-10.3	-59.5	-17.3	-39	-5.6	-13.1	1.2	-10	-5.9	-13.8
9th	-8.6	-12.4	-9.8	-6.5	-6.3	-0.9	-0.2	-7.1	-3.2	2
10th	-8.6	11.1	-4.5	8.6	-2.4	0.8	-1.3	-0.3	2.4	2.3
11th	-30.5	23	-11.7	19.6	1.8	0.1	-6.4	11.2	8.7	-7.8
12th	-10.7	1.2	-4.3	3.4	3	-0.4	1.4	4.8	-1.9	-4.3
13th	-6.9	6.7	-2.7	3.5	0	-2	2.9	1.7	-5.3	-0.2
14th	-11.2	10.8	-0.4	4.7	4.3	-3.6	3	-3	-3	3.9
15th	-6.7	16.8	0.2	6.4	0.6	-5.9	-1.8	-5.1	3.5	3.4
16th	-1.8	7.6	0.8	2.4	-1.4	-3.9	-2.8	-1.9	3.1	-1.5
17th	2	5.2	0.2	0.7	-2.1	-1.8	-3.2	-1.7	1	0.6
18th	2.2	1.3	0.7	0.3	1	-0.5	-3	-1	1.9	3.9
19th	-6.7	-3.5	0.3	0.7	5.7	-0.2	-1.4	-0.5	6.1	2.6
20th	7.4	-11.2	-1	1.6	-0.3	6.5	1.4	-1.6	-2.6	7.4

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RUN 49   PT 6

V/OR = 0.100　　ALFS,U = 10.00　　CLRH/S = 0.098228　　CTH/S = 0.099873
VKTS = 39.9　　MTIP = 0.606　　CXRH/S = -0.018067　　CP/S = 0.002746

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	27		747.2		442		1366.5		-81.7	
RMS	389.7		326.1		353.9		288.4		160.2	
1/2 P-P	614.3		591.5		730.5		693.1		264.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-109	509	-9.1	356.9	69.5	308.7	55.3	195.3	-11.6	216.9
2nd	53.7	-6.6	91	-45	149.1	-90.1	141	-83.5	7.1	23
3rd	-118.4	10.2	-119.3	14.3	-126.9	0.8	-102.5	-11.8	10.4	14.8
4th	-3.1	13.6	-2.9	11.3	0.2	14.6	8.4	-21.7	11.5	9.1
5th	44.7	91.4	154.1	139.8	234.4	186.7	248.5	124	38.6	4.5
6th	12.8	32.2	-0.5	71.3	-12.1	89.4	-26.9	42.7	26.1	-1.6
7th	15.7	39.8	26.5	38.5	11.2	25.6	-29.3	-15.4	2.8	-3.4
8th	30	3.9	34.4	40.8	11.1	30.4	-18.7	-28.3	-0.6	-14
9th	9.2	10.3	17.1	11	9	4.9	-6	-17.4	1.1	1.9
10th	7.9	-4.5	9.1	-15.4	4	-3.6	-4	4.3	3.9	2.6
11th	33.6	-12.1	47.4	-44.7	7.7	-8.9	-34.7	31.3	0.3	-3.6
12th	-10.5	-17.3	-8	-18.3	-12.6	-8.8	3	14.8	-1	-8.4
13th	-0.6	7.6	11.6	9.8	5.7	18.9	0.5	2.5	4.8	6
14th	-4.7	-1.4	1.6	-9.6	-3.8	11.4	8.8	-1.2	-19.4	5.7
15th	-1.9	3.3	2.5	-2.4	4.8	23.4	1.5	-6.3	0.3	0.7
16th	0.4	0.7	-7.1	-7.4	-5.4	2.7	-4.4	-6.1	-2.6	-3
17th	-2	1.7	-0.4	-4.7	8	0.3	-4.6	-1.4	6.2	3.9
18th	-1.8	-3.8	-4.3	-0.3	3.9	5.1	3.6	6.8	-0.6	-2.1
19th	-14.9	-2.8	8.4	-5.5	13.2	-8.8	27.8	-3.3	-3.9	-6.1
20th	14.3	6.8	-6.2	5.5	-26.1	-10.3	-21.9	18.6	8.2	-6.9

D-118

RUN 49   PT 7

V/OR = 0.100   ALFS,U = 10.00   CLRH/S = 0.068393   CTH/S = 0.069544
VKTS = 39.9   MTIP = 0.606   CXRH/S = -0.012611   CP/S = 0.001368

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	135.1		-26.6		-13.7		-82.2		45	
RMS	49.7		43.7		42.9		48.7		18.2	
1/2 P-P	139.8		103.7		91.8		95		56.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-31.6	17.9	-31	-7.2	-26.5	-15.2	-15.6	-22.7	-4.5	-7.4
2nd	-18.8	2.3	-30.1	6.4	-40.7	14.5	-52.3	17	-14.6	3.5
3rd	-3.6	-13.9	-11.9	-11.4	-15.8	-6	-19.2	-4.1	0.4	-4.8
4th	0	-8.1	-1.6	-6.6	0.8	-3.9	-4.3	1.5	-0.7	-0.8
5th	14.1	-4.9	12.5	-10.1	11.6	-10.2	-10.8	9.8	-5.6	3.9
6th	13.7	4.5	12.9	1.2	8	2	-7.2	-0.2	-0.3	-3.3
7th	16.5	-1.6	11.5	-3.9	5.9	-0.6	-1	-0.7	1.3	-5.7
8th	26.6	-5.4	18.6	-8.8	7.9	-4.4	2.2	-2.6	2.5	-3.6
9th	16	-2.7	10.1	-5.6	1.1	-2.4	1.7	-2.5	0.5	0
10th	9.7	-1.7	5.4	-3.2	-0.8	-0.9	0.3	-1	0.9	-0.7
11th	-21.7	-13.4	-13.8	-2.8	2.2	2.2	-9.9	-0.7	7.4	-0.2
12th	4.8	-18.3	-1.2	-8.8	0.4	4	-1.7	-3.4	-0.2	3
13th	1.5	-6.9	-1.5	-3.6	-1	2.5	-1.3	-1.9	-0.3	3.2
14th	-3.9	3.5	-0.7	1.3	1	-0.9	-0.1	-3.7	-0.4	5.1
15th	-13.2	7	-1.4	5.3	5.3	-3.6	3.8	-6.3	-2.8	5.6
16th	-14	-9.3	-5.2	0.7	7.3	1.1	8.5	0.3	-6.1	-2
17th	-3.4	-5.7	-2.2	-0.9	2	1.1	3.6	1.4	-4.1	-2.6
18th	-0.4	-1.1	-0.7	0	0.8	0.6	1.3	-0.3	-3.3	-0.1
19th	1.5	1.7	0.1	0.2	0.1	-0.8	0.4	-0.2	-2.4	0.1
20th	-3	6.2	0.3	0.6	0	-4.1	-0.1	0.5	0.4	-3.8

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RUN 49   PT 7

V/OR = 0.100
VKTS = 39.9

ALFS,U = 10.00
MTIP = 0.606

CLRH/S = 0.068393
CXRH/S = -0.012611

CTH/S = 0.069544
CP/S = 0.001368

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-37.1		701.3		413		1328		-22.5	
RMS	293.8		212.7		200.2		167.5		110.5	
1/2 P-P	514.5		459.3		429.9		345		222.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-253.4	315.5	-143.1	224.7	-59.7	191.4	-27.6	110.9	-20.1	149.2
2nd	37.2	-33	65.9	-48.1	127.9	-86.9	120.7	-87.5	8.2	-1.1
3rd	47.2	32	43	23.1	53.1	6.7	33.2	-9.1	20.9	-4.4
4th	5.2	-15.2	-9.9	-28.1	-17.8	-46.4	-26.8	-53.3	-0.4	-1.2
5th	-17.3	12	-14.9	-43.7	-12.2	-83.7	0.6	-112.9	-5.6	25.2
6th	-8.4	-0.3	-21.4	4	-29.1	6.3	-17.3	5.4	-3.7	2.4
7th	0.3	9.5	-10.3	12.1	-12	10.2	1.6	-1.8	-1.2	1.7
8th	-10.9	15.7	-18.9	19.8	-8.6	10.2	19.8	-13.5	1.9	0.4
9th	-12.9	15.1	-12.9	15.3	-0.2	5.8	17.7	-12.8	1.2	3.1
10th	7.8	-6.8	0.6	-3.8	3.6	-1.4	2.5	0.5	1.4	0.8
11th	30.5	13.9	50.3	10.6	10.5	0.3	-32.4	-10.2	-0.2	-4.6
12th	-5	12.1	-0.6	33.3	-0.9	5.9	-1.1	-14.7	4.3	-3.6
13th	-17.4	-1.5	-27.1	14	-20	3.7	4.7	-3.5	1.3	3.6
14th	-2.5	0.1	0.4	0.2	-1.5	6.6	0.4	-1.2	-4	0.2
15th	-0.7	-2.6	6.6	-2.7	-6.8	16.4	4.2	0.1	-7.3	-14
16th	2.9	0.8	17.1	-2.8	-12.4	-7.5	5.1	2	7.3	-11.1
17th	3.6	1.9	3.8	4.2	-10.4	-1.8	-1.3	2.1	3.9	1.1
18th	-1.8	0.4	4.7	-0.6	4.6	-2.8	1.8	1	3.6	-1.9
19th	-5.9	1.5	1.2	-3.1	10.1	-8	1.9	-5.1	2.3	-0.7
20th	-5.6	-10.2	2.9	-1	17.1	17.7	9.7	-2.2	-0.2	0.2

D-120

RUN 49   PT 8

V/OR = 0.100   ALFS,U = 10.00   CLRH/S = 0.078550   CTH/S = 0.079887
VKTS = 39.8   MTIP = 0.606   CXRH/S =-0.014571   CP/S = 0.001717

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	153.3		-16.4		-10		-81.1		48	
RMS	76.1		57.6		46.6		54.5		23.7	
1/2 P-P	236.2		147		103		123.6		64.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-33.6	29.1	-33.5	-3.9	-31.5	-14.2	-20.6	-26.4	-6.9	-8.5
2nd	-17.8	1.7	-30.5	6	-42	13.8	-54.9	11.5	-15.2	2.3
3rd	-3.1	-14.3	-9.6	-9.9	-11.9	-4	-20.4	0.9	1.2	-4.2
4th	6.5	-6.9	4.7	-7.9	5.5	-6.3	-9	5.7	-1.7	-0.1
5th	20.6	-8.8	15.5	-14.5	12	-13.5	-10.1	12.2	-3.8	2.7
6th	20.8	-6	17.6	-8.5	11.9	-5.7	-9.4	2.1	0.7	-6.5
7th	12.1	-23.2	5.9	-19.7	2.9	-8.9	-2.1	-1.4	0.2	-10.4
8th	38.7	-20.6	23.7	-21.3	8.3	-8.6	2.1	-4.7	5.6	-6.2
9th	11.3	-8.6	4.3	-8.9	-1.8	-3.6	-0.8	-3.1	1.7	-1.1
10th	-9.2	-1.5	-6.4	-0.1	-0.5	-1.4	-5.5	0.9	4.2	-2.3
11th	-67	-32.5	-40.6	-5.1	7.8	4.7	-24.1	-3.4	17.8	2.9
12th	-4	-16	-5.4	-5.3	1.6	4.1	-1.6	-3.8	-0.3	3.6
13th	-4.7	4.3	-1.6	2.3	0.7	-0.8	0.6	-3.4	-1.4	4.1
14th	-6.7	15.5	0.8	6.6	1.5	-5.4	0.8	-6.3	-0.8	6.3
15th	-11.1	11.8	-0.7	6.6	3.8	-5.7	3.2	-6.1	-2.1	4.5
16th	-2.7	-1.3	-1.9	0.2	1.4	-0.4	2.8	1	-2.4	-2.7
17th	4.3	1	0.4	-1.1	-1.5	-0.1	-1.4	1.8	-1.3	-2.5
18th	2.4	0.1	0.2	-0.3	-0.5	0.4	-1	0.9	-0.9	-0.4
19th	-2	-3	0.1	0.3	2.2	0.6	-0.6	0.3	2.4	0.4
20th	-0.4	-8.6	-0.7	1.2	2.6	3.8	-0.6	-0.1	2.2	4.2

D-121

RUN 49   PT 8

V/OR = 0.100   ALFS,U = 10.00   CLRH/S = 0.079887   CTH/S = 0.079887
VKTS = 39.8   MTIP = 0.606   CXRH/S = -0.014571   CP/S = 0.001717

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-23.9		709.7		427.6		1340.6		-42.7	
RMS	316.8		246.5		239.3		191		128.1	
1/2 P-P	553.8		517.5		484.8		395.1		261.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-169.7	395	-68.3	277.8	12.7	234.4	24.1	135.6	-17.9	174.3
2nd	56	-49	85.4	-66.7	149.9	-107.6	137.6	-104.3	10.5	-0.6
3rd	36.9	-41.4	27	-43.6	33	-59.6	13.8	-60.5	17.2	-6.5
4th	-0.9	-14	-17.6	-26.3	-27.6	-41.8	-30.5	-50.1	4.6	7.7
5th	-19.4	54.1	-29.5	84.6	-42.9	109.5	-30.3	88.7	4.2	31.2
6th	-20.4	13	-23.7	26	-24.1	29.6	-1.8	12.3	-0.4	3.5
7th	-22	17	-10.3	33	1.5	26.6	15	-13.4	-3	-1.4
8th	-8.7	28.6	-20.3	38.7	-7.3	19	25.5	-27.5	9.3	-1.3
9th	1.9	2.1	0	9.7	5.6	7.6	6.8	-5.4	3.9	4
10th	0.6	2	10.9	-0.7	3.6	-0.1	-8.5	-4.2	0.7	2.7
11th	43.4	17.4	100.8	15.9	8.6	0.1	-70.3	-14.5	-3.9	-7.9
12th	6.4	7.4	16.9	21.7	3.7	3.8	-10.5	-7.7	5.1	-5.3
13th	-4.9	1.4	-3.4	4.7	-5.8	11.4	0	-1.1	1	6.1
14th	-1.3	-1.4	-3.1	-11	-3.2	13.4	2.4	-1.7	-7.2	0.8
15th	0.1	-0.4	6.6	-3.2	-1.3	21.2	2.5	-2.1	-5.9	-9.2
16th	1.8	2.4	2.6	-3	-3.9	-3.8	-2.2	-2.2	7.2	1.6
17th	0.1	1.6	-3.9	2.7	2.4	-0.6	-4.1	-1.8	-2.5	6.9
18th	-0.2	1.9	-3.5	0.3	0.2	-2.8	-2.9	-1.2	2.2	3.1
19th	-2.5	0.1	2.4	0.9	0.6	-3.3	7.5	1.2	-1.6	-2.5
20th	4.7	2.1	0.6	1.7	-14.2	-6	2.2	9.9	2.4	-3.4

D-122

RUN 49   PT 9

V/OR = 0.100
VKTS = 39.8

ALFS,U = 10.00
MTIP = 0.606

CLRH/S = 0.087542
CXRH/S = -0.016011

CTH/S = 0.088993
CP/S = 0.002149

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	169.6		-6.9		-4.8		-78.4		55.9	
RMS	92.4		68		50		56.7		27.2	
1/2 P-P	273.2		187.9		117		138.9		76.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-30	37.9	-33.5	-0.7	-32.8	-13	-21.9	-31.4	-9.9	-10.3
2nd	-20.8	5.3	-31.3	8.2	-40.9	14.7	-55.3	4.9	-16.4	0.9
3rd	-3.2	-9	-5.3	-4.6	-4.2	1.3	-15.5	7.6	2.3	-2
4th	11	-8.7	9	-11.6	10	-11	-9.3	9.9	-1.4	2
5th	23.6	-22.9	14.7	-25.6	10.9	-22.4	-7.6	15.5	-1.3	2.7
6th	23.4	-21.2	15.6	-22.1	9	-16.6	-9.2	6	1.6	-7.6
7th	-5.7	-33	-9.4	-24.7	-5.2	-12	-2.9	-1.2	-3.8	-11
8th	21.1	-49.4	6.6	-37.9	2.9	-13.9	0.8	-7.1	1.6	-10.9
9th	-4.2	-14.2	-7.1	-8.6	-4.4	-2.4	-2	-2.7	0.1	-1.7
10th	-23.1	13.7	-12.5	11.3	-0.9	0	-5.7	5.4	4.3	-4.6
11th	-86.9	12.5	-43.3	22.2	10	0.9	-24.5	10.2	19.5	-7.8
12th	-16.1	3.7	-6.9	6.1	4.3	0.9	-2.7	0.6	0.8	-1.4
13th	-3.3	17.2	1.1	7.6	-1.2	-4.4	0.7	-1.4	-2.2	2.2
14th	-0.9	20.3	3.4	6.9	-1.1	-6.3	1.2	-5.6	-1.2	6.3
15th	-4.6	2.5	-1.1	2.5	2.7	-0.8	3.9	-2.1	-2.2	1.5
16th	11.4	-3.9	1.5	-2.8	-3.7	2.7	-3.6	4.1	3.3	-4.8
17th	5.6	0.7	0.8	-1.3	-2.8	-0.1	-3.6	2.8	0.6	-4.4
18th	-0.5	2.7	0.3	0	0.4	-1.8	-1.7	2.5	-0.6	-2.9
19th	-5.8	2.9	0.6	0.6	2.6	-2.3	-0.1	1.1	2.3	-1.8
20th	2	-3.2	-0.7	0.6	-0.5	2.7	0.7	-0.3	0.3	4.2

RUN 49   PT 9

V/OR = 0.100
VKTS = 39.8

ALFS,U = 10.00
MTIP = 0.606

CLRH/S = 0.087542
CXRH/S = -0.016011

CTH/S = 0.088993
CP/S = 0.002149

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-10.4		719.1		434		1348.3		-61.7	
RMS	347.1		284.3		283.4		229.9		143.2	
1/2 P-P	619.7		609.6		581.3		535.8		287.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-139.1	448.8	-37.8	314.4	45.1	266.5	45	158.3	-12.1	196.4
2nd	34	-36.6	73.2	-64.2	140.1	-110.1	132.3	-104.6	5.1	7.6
3rd	-38.8	-53.8	-45.6	-51.4	-46.7	-69.2	-46.6	-64.7	12	-2.8
4th	-8.4	-2.9	-22.9	-7.8	-33.9	-12.6	-26	-28.4	9.9	9.3
5th	5.1	75.7	39.4	136.1	59.7	188.8	80.8	154.9	18.7	24.7
6th	-10.6	34.1	-20.5	47.3	-25.4	50.1	-14.3	5.9	8.5	6.6
7th	-14.4	42.7	6.6	47.5	9.3	28.6	-6.3	-29.9	-3.9	-0.8
8th	9.8	24.9	4.7	51.4	2	29	2.2	-36.5	6.1	-8
9th	1.8	6	11.5	11.1	10.5	4.3	-1.3	-9	3.5	4.3
10th	4.2	-8.7	17.1	-23.6	3.1	-3	-13.2	17.1	0.1	6.1
11th	56.5	-28.5	106.7	-65.2	7.1	-10.9	-75.2	41.8	-7.2	-6.3
12th	6.8	-18.3	14.8	-24.4	-0.6	-5.9	-8.7	14.2	-1	-8.8
13th	-0.9	16.4	9.2	17.4	9.6	32.5	-3.4	-3.8	0.1	8.9
14th	-2.5	-1.2	-8.9	-11	1.1	15.8	0.1	-2.4	-8.9	8.4
15th	0.5	3.8	9.5	10	3.9	15.7	-0.7	0.3	2.7	-2.6
16th	0.2	3	-2.1	5.3	11.9	-11	-4.7	-0.4	8.3	7.5
17th	-1.7	1.2	-2.5	6.6	7.2	1.9	-1.7	-1.8	0.6	10.1
18th	-6.8	0.2	7.5	-1.3	17.7	0.1	8.9	-5.7	1.7	5.7
19th	-4.6	-6.7	4.9	-2.1	9.4	10.2	13.5	-3.4	-4.5	-3.2
20th	2.4	2.4	-0.7	1.3	-5.3	-3.6	-2.7	5.7	3.1	-3.7

RUN 49   PT 10

V/OR = 0.100   ALFS,U = 10.00   CLRH/S = 0.097884   CTH/S = 0.099530
VKTS = 39.8   MTIP = 0.607   CXRH/S = -0.018043   CP/S = 0.002717

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	190.7		4.8		2.3		-76.8		54.8	
RMS	88.5		68.5		52.8		57.8		27.7	
1/2 P-P	257.5		180.1		123.5		130.6		79.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-29.9	49.8	-33.8	3.3	-30.5	-11.3	-24	-38.2	-13.2	-12.7
2nd	-20	11.8	-28.9	10.2	-34.4	14.5	-54.8	-3.4	-17.6	-0.6
3rd	0.5	-0.2	2.8	-1.8	5.2	1	-6.5	10.7	2.7	0.3
4th	9.2	-14.5	7.1	-19.8	7.9	-20.4	-5.4	13	-1.8	4.6
5th	18.4	-46.9	7.5	-44.7	6.7	-37.1	-5.1	23.7	0.6	5.4
6th	18.2	-37.7	7.2	-34.2	4.4	-23.7	-7.5	10.5	4.3	-7.5
7th	-19	-24.8	-19.8	-16.2	-9.9	-8.5	-0.4	-0.4	-4.4	-10
8th	-10.7	-59.3	-17.3	-38.7	-4.5	-13.2	1.1	-10.3	-6.2	-13.9
9th	-9.1	-11.9	-9.8	-5.7	-4	-1.6	-0.1	-7.1	-3.8	1.8
10th	-9.8	12.8	-4.8	9.8	-0.8	1.4	-1.4	0	2.2	2.1
11th	-35.5	24.1	-14.1	21.2	3.9	1.6	-7.7	11.5	8.7	-7.1
12th	-11.3	1.4	-4.4	3.7	3.8	1	1.4	4.6	-1.5	-4.4
13th	-7	8.2	-2.5	4.1	0.5	-2.4	3.4	1.8	-5.3	-0.4
14th	-12.6	14.1	-0.2	5.8	3.9	-5.1	3.8	-4.1	-4	5
15th	-10.2	19.1	0	7.7	1.6	-7	0	-6.8	1.4	5.2
16th	-2.5	8.3	0.6	2.7	-0.2	-4.3	-2	-2.5	2.2	-0.8
17th	2.4	6.3	0.1	0.7	-1.5	-2.7	-3.2	-1.8	0.9	0.3
18th	3	2.3	0.8	0.4	-0.5	-0.5	-3	-1	1.5	3
19th	-5.9	-3.7	0.2	0.5	4.4	0.6	-0.9	-0.3	5.6	2.3
20th	8.8	-10.4	-0.9	1.7	-2.7	7.2	1.9	-1.8	-3.4	7.7

D-125

RUN 49   PT 10

V/OR = 0.100   ALFS,U = 10.00   CLRH/S = 0.097884   CTH/S = 0.099530
VKTS = 39.8   MTIP = 0.607   CXRH/S =-0.018043   CP/S = 0.002717

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	25.3		745.8		441.4		1365.6		-81	
RMS	388.4		327.7		356.4		292.8		162	
1/2 P-P	616		596.8		735.2		696.8		277.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-99.5	508	-1.8	356.2	75.9	307.7	59.7	193.5	-12	219.4
2nd	53.5	-7.4	90.3	-45.4	148	-91.4	139.5	-85.4	6.3	21.9
3rd	-119.2	10.8	-119	14.6	-125.3	2.3	-101.2	-10.8	7.1	15.1
4th	-4.9	13.5	-5.4	9.3	-2.6	11.4	5.9	-26.3	12.1	9.6
5th	43.7	94.1	159.1	140.4	242.5	186.4	260.8	120.4	39.8	7.2
6th	10.6	33.9	-0.2	69.9	-9.2	87.8	-23	39.9	25.2	1.4
7th	14.5	40.6	26.4	37.1	12.4	24.1	-28.1	-17	2.5	-2.6
8th	28.1	3.3	33.1	40.6	10.3	30.5	-18.2	-28.6	-0.4	-15.3
9th	10.7	10.2	18	10.9	9.2	5.3	-6.3	-16.5	2.4	2.4
10th	7.4	-6.8	9.5	-17.9	4.1	-2.9	-2.7	6.1	3.3	1.8
11th	39.3	-13.6	56.4	-49.1	9.8	-9.1	-40.3	33.6	-0.3	-4.9
12th	-8.4	-17.9	-5.4	-19.3	-11.6	-9	2.7	14.8	-0.8	-8.9
13th	1.4	8.3	14.1	9.8	7.9	20.7	0.8	2.3	5.5	8.8
14th	-4.7	-0.5	1.9	-11.6	-3.8	14.2	9.7	-2.1	-20.2	6.7
15th	-2	3.6	4	-3.3	2.6	28	2.1	-7.6	-1.7	0.1
16th	0.4	1.3	-6.3	-8.1	-5.4	3.3	-5.1	-6.7	-1.4	-2.9
17th	-1.9	1.5	-0.5	-4	8.8	2.3	-4.9	-1.3	5.7	5.3
18th	-2.1	-3.7	-6.3	0.1	4	5.3	2.1	5.7	-0.2	-0.5
19th	-15.5	-1.9	8.2	-4.5	13.6	-9.7	26.6	-4.3	-3.6	-6.2
20th	14	9.4	-6.5	5.4	-25.6	-13.1	-25.4	15.9	9.1	-7.5

D-126

RUN 49   PT 11

V/OR = 0.100   ALFS,U = 10.00   CLRH/S = 0.107917   CTH/S = 0.109717
VKTS = 39.8   MTIP = 0.607   CXRH/S = -0.019808   CP/S = 0.003400

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	212.1		18.2		8.4		-73.5		15.2	
RMS	105.9		74.6		53.8		65.3		34.9	
1/2 P-P	332.7		207.6		136.7		162.4		133.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-24.2	59.4	-29.3	7.2	-28.1	-11.3	-25	-40.3	-17.6	-13.1
2nd	-14.5	15.9	-24.5	10.4	-29.3	10.7	-57	-7.5	-17.3	-1.4
3rd	4.6	8.4	7	-1.9	8.7	-4.1	-0.4	7.8	5.5	-0.2
4th	12.3	-11.2	8.7	-20.9	7.6	-21.6	-8.6	9	-4	3.1
5th	-6.6	-58.8	-14.6	-51.7	-10.2	-41.5	3.5	31.2	1.5	8.8
6th	5.5	-40.8	-2.2	-34	0.1	-21.8	-3.7	12.4	6.2	-4.8
7th	-14.2	-10.1	-12.4	-4.4	-4.8	-1.3	3.8	-1.1	0.1	-7.3
8th	-18.3	-56.1	-19.5	-34	-4.8	-10.9	2.2	-11.1	-8.5	-13.5
9th	6	-13.6	0.4	-9	-2.7	-1.1	2.4	-7.5	-5.3	2
10th	7.3	5.6	5.1	3.2	-0.2	1	0.3	0.8	0.1	2.2
11th	-70.2	19	-32.3	24.4	8.6	1.6	-20.5	17.5	17.5	-9.6
12th	-18.2	-24.7	-12.8	-6.5	4.8	5.2	-5.1	1.1	3.9	-0.8
13th	-7.3	1	-4.7	1.1	0.7	-1.7	-2.1	0.1	0	0.1
14th	-2.9	17.3	3.2	4.7	0	-7.5	-2	-4.9	0.6	6
15th	9.9	21.4	6.4	5.5	-5.7	-6.3	-7.9	-5.5	8.4	5.6
16th	9.1	5.2	2	-0.7	-4.6	-1.3	-5.1	-1	5.4	-0.4
17th	11	4.8	2.2	-0.8	-5.6	-0.7	-5.8	-1.4	3.6	0.1
18th	3.4	1.4	1	-0.6	-1.6	-1	-2.1	-0.4	0	1
19th	-7.1	-0.5	-1.4	0.3	3.1	-1.5	1.3	-0.2	0.2	-0.8
20th	6	-13.3	-1.8	0.8	-0.3	7.3	1.5	-1.7	-1.9	6.8

RUN 49 PT 11

V/OR = 0.100 ALFS,U = 10.00 CLRH/S = 0.107917 CTH/S = 0.109717
VKTS = 39.8 MTIP = 0.607 CXRH/S = -0.019808 CP/S = 0.003400

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	58.5		765.4		451.7		1375.2		-96.1	
RMS	428.9		385.1		419.3		358.1		181	
1/2 P-P	737		836.6		927.7		793.4		327.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-66.3	553.8	20.6	390.4	86.7	345.7	72	221.3	-4.9	238.5
2nd	75.8	-5.6	107.1	-42.9	158	-77	156.8	-74.3	13.4	31
3rd	-121.1	87.1	-113.3	83.2	-121.3	78.3	-95.4	40.8	5.4	35.2
4th	3.5	21.3	12.8	-5.2	24.2	-17.7	32.4	-69.2	15.7	23.5
5th	105.3	90.4	267.4	78.1	382	81.3	372.1	9.3	38	-21.9
6th	16.6	34.4	26.7	55.9	25.1	59.7	12.9	21.5	29.7	-14.1
7th	6.1	21.1	7.4	21.3	-7.5	15.4	-19.8	2.6	4.6	-4.4
8th	6.3	-16.4	14.3	35	-4.5	35.5	-18.8	-7.3	-9.7	-17.5
9th	-3.3	-1.3	-2.9	12.5	3.9	7.3	8.2	-10.1	-0.8	0.4
10th	13.6	-33.3	1.6	-32.5	7.1	-16	3.3	14.9	2.2	-1.5
11th	62.9	3.1	110.9	-47.4	16.9	-8.3	-78	33.7	-2.4	-7.5
12th	-5.4	29.4	25.8	55.9	-3.2	21.8	-11.2	-11.7	2.8	-9.3
13th	-8.7	-8.7	-2.9	1	-3.4	13.3	2.6	8.4	11.1	8.5
14th	-10.7	-1.1	-18.8	-3.9	-8.2	22.8	8.6	-2.7	-22	16.4
15th	-0.7	8.4	-1.1	1.5	26	23.4	-2.5	-5.2	1.9	2
16th	-1.4	4.9	-9.5	7.4	5.6	6.9	-8.1	-2.9	4.9	6.1
17th	-0.7	0	-9.8	-1.3	11.9	-2.1	-6.7	-0.3	3.6	-1
18th	-1.8	-2.6	-7	-1	4.1	2.7	1.9	2.1	-1.8	-3.4
19th	6.4	6.9	-2.5	-5.4	-21.9	0.2	-1.6	-7.4	0.4	-2.8
20th	4.9	13.6	1.1	2.6	-18.2	-28	-12.8	6.7	6.8	-6

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RUN 49   PT 12

V/OR = 0.100   ALFS,U = 10.00   CLRH/S = 0.117841   CTH/S = 0.119753
VKTS = 39.7   MTIP = 0.606   CXRH/S = -0.021322   CP/S = 0.004276

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	233.2		34		23.5		-70.9		-151.7	
RMS	137.8		94.1		61		82.2		44.9	
1/2 P-P	445.2		263.3		173.1		228.8		191.5	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-14.5	66.6	-18.6	7.7	-17.2	-12.5	-25.4	-44.5	-20.5	-15.6
2nd	-6.6	19.1	-19.2	7.5	-28.8	6.3	-53.9	-16	-16.1	-2.2
3rd	5.1	13.1	3.7	-0.6	-0.6	-3.7	0.9	-12.1	6.4	-2.7
4th	1.5	-6.7	-4.5	-13.5	-7.5	-11	0.6	-3.7	-0.3	1.8
5th	0.5	-75.7	-14.9	-67.5	-11.9	-56.8	6	54.5	4.9	16.3
6th	27.7	-15.9	17.2	-19.4	10.8	-16.5	-4.6	15.3	9	-2.3
7th	-15.5	6.2	-9.8	6.4	-3.8	3.4	4.9	-4.1	-4.5	-3.5
8th	13.9	-76.6	-0.3	-56.1	1.6	-20	3.4	-16.6	-3.5	-14.9
9th	7.2	-12.7	1.3	-10.8	-1.4	-3.7	-1.7	-6.4	0	3.1
10th	-20.5	15.8	-8.6	12.4	1.5	0	-8.2	7.9	9.1	-1.3
11th	-103.4	-11.5	-55.5	14.5	11.6	4.3	-32.3	10	28.4	-7.7
12th	-6.3	-6.9	-4.2	-1.1	1.5	1.8	-0.1	0.5	-2.5	-1.9
13th	2.8	13.6	3.5	4.7	-1.3	-4.1	1.7	-1.8	-3.8	2.1
14th	-1.1	10.5	3.9	3.4	0.7	-3.9	0.2	-3.3	-0.9	6
15th	6.2	0.9	0.9	-0.5	-2.1	0	-3.4	0.2	5.9	0.7
16th	9.5	-1.6	1.2	-4.2	-3.4	1	-3.2	1.5	3	-3.4
17th	0.2	3.5	0.2	1.6	-0.7	-1.7	0.8	-3.7	-1.7	1.7
18th	-3	-4.5	-1.1	0.1	2.3	0.7	1.6	-0.2	-1.9	1.8
19th	2	-8.4	-0.9	-0.1	1.7	4	0.2	1.1	0.7	4
20th	6	5.9	0.7	-0.8	-4.9	-1	-0.5	1.1	-3	-2.9

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RUN 49   PT 12

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	70.6		766.3		445.1		1371.9		-119.5	
RMS	466.1		428.8		450.2		400.2		209.8	
1/2 P-P	924.4		1217.1		1175.8		870.6		436	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-46	602.8	18.9	435.6	68.7	398.5	76	259.8	-3.8	268
2nd	85	2.4	110	-27.5	165.3	-50.8	175.4	-55.1	14	46.9
3rd	-77.2	121.5	-65.6	94.6	-51.5	75.8	-31.2	44.1	1.4	46.5
4th	25.8	-4.7	15.4	-62	26.6	-113	22.7	-146.1	5	17.3
5th	135.2	65.1	260	14.8	353.8	1.5	323.8	-73.1	66.6	-28.2
6th	6.5	8.9	-29.2	-8.6	-47.7	-13.5	-40.7	-29.9	20.8	-5.8
7th	-0.3	9.9	-9.3	3.7	-27.2	3.9	-36.1	4.2	-4.1	1.6
8th	-7.1	9.2	-0.7	69.4	-4.8	50.3	6.9	-40.1	-7.3	-13.8
9th	6.3	11.1	9.3	12	10.1	3.1	4.8	-19.4	2.1	4.7
10th	7	-46.8	9.8	-63.5	-1.7	-27.2	-7.8	31.1	-2.4	-1
11th	70.1	26.2	148.9	-12.3	11.7	-0.9	-105.5	8.5	-0.3	-14.8
12th	-2.8	-9.5	1.4	2.8	-4.9	2.9	-4.7	7.8	-1.2	-1.2
13th	2.9	-13.9	-8	-27.4	1.1	-2.1	1.3	13.6	1.3	4.4
14th	0.3	1.5	-5.5	-5	-5.5	9.2	3.7	-3.4	-23.7	-2.2
15th	0.7	4.4	7.2	0.3	15.6	-3.9	-3.7	-4.7	15.3	1
16th	-2	4.2	-4.9	6.4	7.4	-5.9	-2.7	-6.6	1.5	16.5
17th	-0.6	-2.9	2	-2	6.6	8.4	2.1	1.7	6.5	-1.8
18th	4.2	0.6	3.4	1.7	-9	3	0.7	6.8	2.4	-0.7
19th	1.6	-0.9	4	3.9	-1.9	-7.1	0.1	10.1	2.9	-1.5
20th	-8.1	0	-1.6	1	21.7	-1.9	-2.6	-9.4	-2.4	3.1

RUN 26　　PT 12

V/OR = 0.124　　ALFS,U = 5.00　　CLRH/S = 0.054041　　CTH/S = 0.054297
VKTS = 49.5　　MTIP = 0.605　　CXRH/S = -0.005305　　CP/S = 0.001237

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	125.2		-30.1		30.3		-75.8		-6.5	
RMS	23		25.7		31.4		44.8		14.2	
1/2 P-P	70.8		55.5		59.3		80.8		34.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-12.4	6	-12.3	-12.9	-9.6	-22.3	1.9	-30.5	0.8	-9.2
2nd	-13.9	0.9	-24.2	5.5	-32.1	10.9	-48.8	18.9	-14	4.6
3rd	-1.6	-10.8	-6.7	-9.8	-8.6	-5.9	-14.8	5.8	-1.4	-0.7
4th	-5	-9.4	-6.1	-7.2	-6.7	-4.4	1.9	3.6	4.3	-1.4
5th	2.1	-4	2.5	-5.1	2.4	-4.2	-2.2	1.7	-2.5	0.5
6th	-2.2	-0.1	-1.1	0	-0.4	0.8	-0.9	-1.9	-2	-0.2
7th	-0.5	-0.2	-0.5	-0.5	-0.1	-0.5	-1.5	-0.2	0.3	-1.4
8th	-2.2	-1.3	-1.3	-0.9	0	-0.6	-0.6	-0.5	-0.2	-1.8
9th	0.5	-1.1	0.2	-0.4	0.2	0.3	0.4	-0.5	-0.4	0.3
10th	0	1.5	0.6	0.7	0.8	-0.3	0.4	1.1	-0.1	-0.7
11th	-17.3	1.4	-8.6	3.7	2	0.1	-5.2	3	3.7	-2.4
12th	-1.9	-4.6	-1.4	-2	0.8	0.6	0.1	-0.6	-0.4	0.5
13th	-1.9	-0.8	-1.1	-0.2	0.6	0	0.8	-0.8	-0.1	1.1
14th	-4.5	1	-0.6	0.9	1.9	-0.8	1.7	-1.6	-1.1	1.1
15th	-4.3	4	-0.5	1.9	1.1	-1.8	0.5	-2.3	-0.8	1.5
16th	-3.4	4.4	0	2.1	0.9	-2.1	0.1	-2.6	-0.6	1.1
17th	-2	1	0.1	0.4	0.5	-0.7	-0.1	-1	-0.5	-0.2
18th	-0.8	-0.2	-0.3	0.1	0.4	-0.1	-0.1	-0.7	-1.1	0.8
19th	2.8	-0.9	-0.3	-0.1	-1.2	1.2	-0.1	-0.3	-2.4	2.2
20th	1	6.7	0.4	-0.6	-2.4	-2.7	0.2	0.3	-2.8	-2.9

RUN 26   PT 12

V/OR = 0.124   ALFS,U = 5.00   CLRH/S = 0.054041   CTH/S = 0.054297
VKTS = 49.5   MTIP = 0.605   CXRH/S = -0.005305   CP/S = 0.001237

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-40.2		701.6		408.8		1440.1		-22.5	
RMS	125.7		106.1		133.8		125.1		74.6	
1/2 P-P	239.8		225.2		289.3		261.1		171.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-107.1	126.4	-71.5	93.5	-49.7	106.1	-45.2	72.8	-3.4	97.2
2nd	39	-29.8	59	-37.3	108.7	-63.2	104.4	-64.1	11	-13.4
3rd	9.6	32.9	6.5	32.9	13	24.6	4.6	6.8	17.3	-6.8
4th	5.1	-4.4	-1	-3.3	-1	-9.6	-10.5	-17.1	-10.8	-9.5
5th	-0.3	2	24.1	-30	42.6	-53.2	52.2	-69.9	-12.7	14.7
6th	4.1	-2.4	1.6	5	-1.9	8.9	-7.1	9.3	3.4	0.6
7th	1.8	8.3	3.3	3.9	2.7	-0.7	0	-6.9	2.2	-0.4
8th	-0.7	5.1	2.4	2.9	0.7	-0.1	1	-6	-1.7	-0.9
9th	-3	-3.1	-1.7	-0.8	0	-0.3	4.7	0.3	-2	-0.4
10th	2.2	-3.1	2.1	-4.3	-0.3	-1.7	-0.5	1.2	-1.2	0.2
11th	8.9	0.8	21.7	-7.1	1.2	-1.2	-14.5	4	-0.5	-3.4
12th	0.9	3.5	4.6	7	-0.1	1.4	-1.2	-3.6	-1.9	0.7
13th	0.6	-1.5	1.4	-1.6	-1.5	-0.2	-0.5	0.5	2.6	-1.7
14th	0.1	-1.2	5.6	-4.3	-0.1	0.3	1.2	0.8	-10.4	-0.7
15th	-0.5	-0.1	2.1	-1.9	-1.8	6.6	1	0.1	5.2	-1.2
16th	1.2	0.4	-0.4	-7.1	-3.3	1	0.8	-1.3	-2.9	-10.8
17th	-0.8	-1	2.4	-1.1	2	2.1	2.3	-0.1	-4.7	1.4
18th	-0.4	-0.4	0.1	-0.5	-1	0.5	0.5	1.6	1.2	0.4
19th	0.4	-0.7	-2	1.5	0	-1.4	-3	4.5	1.2	-0.7
20th	0.9	-6.4	-2.7	0.9	9	13.7	-3.6	0.3	-4	2.9

RUN 26 PT 13

V/OR = 0.124   ALFS,U = 5.00   CLRH/S = 0.060055   CTH/S = 0.060327
VKTS = 49.5   MTIP = 0.605   CXRH/S = -0.005744   CP/S = 0.001378

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	134.7		-23.7		496.5		-75.4		-5.4	
RMS	28.9		27.6		49.9		47.9		15.5	
1/2 P-P	68.8		60.2		132.8		96.4		37.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-18	10.2	-15.9	-11.4	-10.8	3.5	-3.1	-31.9	-1.1	-9.8
2nd	-12.5	2.3	-23.7	6.4	-26.7	10.7	-51.5	18.2	-15.5	4.7
3rd	-0.9	-8.8	-8	-7.3	-12.7	-2.4	-18.7	9.3	-1.5	-0.3
4th	-6.1	-9.4	-6.8	-6.8	-5.5	-3.7	2	3.7	5	-1.4
5th	2.2	-5.1	2.1	-6.2	-2.3	-1.1	-1.5	2.7	-2.2	1
6th	-0.9	0.4	0.1	0.2	-4.6	0.5	-1.6	-2.1	-1.6	-0.3
7th	3.1	-0.2	1.7	-0.5	3	0.2	-1.3	-0.4	1.1	-1.2
8th	-2.7	-7.7	-2.6	-5.4	-0.4	-2.9	-0.8	-1.5	-0.6	-2.2
9th	0.5	-3.4	0	-2.4	1.7	-0.2	0	-0.7	0	0.5
10th	-2.9	1.1	-1.3	0.6	-0.4	-5.5	-0.9	1.3	0.9	-1.1
11th	-24.1	-7.9	-14.1	0.3	-0.7	5.5	-8.2	0.6	5.6	-0.5
12th	-1.6	-4.7	-1.3	-1.9	-1.4	1	0.4	-1.1	-0.7	1.2
13th	-2	1.1	-1	0.7	-1.6	-1	0.6	-1	0.2	1
14th	-2.2	5.6	0.3	1.9	0.9	-2.1	-0.1	-2.5	-0.1	1.5
15th	1.1	7	1.6	1.8	0.3	-2.4	-2.4	-2.4	1	1.7
16th	-2.7	7	0.4	2	1.4	-4.8	-0.8	-3.3	-0.8	1.5
17th	1.1	3.3	0.6	0.3	-0.5	-2.3	-0.9	-1.5	-1.5	-0.1
18th	3.5	0.9	0.1	-0.2	-2.8	-1.5	-0.6	-0.4	-2.7	0.9
19th	6.7	0.5	-0.3	-0.6	-4.3	0.8	0.3	0.4	-3.6	2.2
20th	2.1	4.9	0.6	-0.6	-2.5	-1.8	0.6	0.3	-1.3	-2.6

RUN 26   PT 13

V/OR = 0.124   ALFS,U = 5.00   CLRH/S = 0.060055   CTH/S = 0.060327
VKTS = 49.5   MTIP = 0.605   CXRH/S = -0.005744   CP/S = 0.001378

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-30.9		706.7		412.1		1442.2		-37.9	
RMS	244.8		185.8		184.4		150.1		91.2	
1/2 P-P	433.6		374.8		375.1		301.1		198.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-205.6	265.5	-137.4	196.7	-94.6	185.8	-68.6	120	-0.3	117.3
2nd	51.4	-30.5	69.3	-40.3	119.1	-68.9	114.5	-71.2	17.7	-14.8
3rd	32.1	34.5	23.8	30	29.9	17.6	17	-2.5	24.1	-14
4th	6.3	-4.8	-1.9	-2	-4	-7.2	-15.1	-15.3	-19.1	-11.8
5th	-7.7	5.2	-0.7	-27.4	4.6	-53	10.3	-72.6	-10.4	20.2
6th	1.7	-2.8	-0.4	5.5	-3.5	10.4	-6.6	10.1	5.4	2.1
7th	6.7	1	3.2	2.8	1.6	4.4	0.2	1.5	6.5	-4.2
8th	3	5.8	5.7	7.8	2.3	2.7	-1.6	-8.9	-4.7	-6
9th	-0.6	5.6	1.8	4.7	0.8	0.3	1.6	-5.9	-2	0.5
10th	4	-3.2	5.9	-5	0.4	-2.4	-4.1	1.7	-1	-2.2
11th	20.8	3.5	39.7	-1.4	4.9	-2	-27.1	-0.7	-1.9	-7.1
12th	8.9	-5.7	9.9	-4.7	3.3	-5.5	-3.6	1.9	-6.5	2
13th	-2.3	3.2	-0.8	7.3	-3.2	7.3	0.3	-1.1	2.1	4.2
14th	-1.9	-0.2	-6.9	-5.2	-6.8	2.2	1.7	0.8	-5	5.4
15th	-0.6	-0.2	6.7	0.3	14.5	9.4	0.2	-0.4	5.1	1.4
16th	-0.7	-1.4	-1	-3.8	0.7	8.2	-0.8	-2.4	-3.1	-2
17th	-0.8	-1.4	0.7	-2.7	6.8	1.9	-1.3	-0.9	0.6	-0.7
18th	0.2	-1.5	-1.9	-0.4	4.1	-0.8	-2.9	2.3	0.9	-0.4
19th	-0.7	-3.1	-3	3.6	7.2	0.1	-6.1	6.5	4.2	-1.4
20th	-1.8	-3.4	-2.4	1.2	9.4	6.3	-2.6	-1.7	-6	1.3

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RUN 26   PT 14

V/OR = 0.124   ALFS,U = 5.00   CLRH/S = 0.069397   CTH/S = 0.069705
VKTS = 49.5   MTIP = 0.605   CXRH/S = -0.006565   CP/S = 0.001641

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	150.3		-13.7		929.4		-74.3		-3.3	
RMS	44.9		33.6		159.9		54.3		19.3	
1/2 P-P	121.5		78.1		380		123.4		57.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-19	25.6	-17.9	-5.7	-32	-12.1	-9.7	-35.2	-4.2	-10.5
2nd	-10.3	3.5	-23.6	6.2	23.2	19.8	-56.6	13.9	-18.4	4.2
3rd	-2.1	-8.6	-9.8	-4.9	5	12.1	-24.6	15.3	-2.4	0.9
4th	-6.6	-10.6	-7.2	-8.2	8.2	5.6	1.7	5	5.7	-0.6
5th	1.6	-7.3	0.1	-8.6	13.5	-28.3	1.3	3.5	-1	0.9
6th	1.4	-3.1	1.2	-2.9	7.5	-20	-1.9	-1.3	-1.6	-1.9
7th	-2.6	-7.3	-2.5	-4.8	-13	-3.5	-0.8	-1.3	-0.6	-3.1
8th	-4.3	-23.2	-6.2	-16.1	-6.1	-12.2	-1.1	-3.9	-2.4	-4.1
9th	-1.7	-6.7	-3.3	-4.2	-5.9	-0.3	-0.9	-1.1	-0.5	1.5
10th	-9.7	3.6	-5	3.7	6.4	-0.8	-2.5	3	2.4	-1.8
11th	-40.7	-7.3	-22	3.4	-28.8	85.9	-11.9	2.2	9.2	-2.1
12th	-7.2	0.8	-2.8	1.8	-5.6	3.6	1.1	0.1	-0.8	-0.1
13th	-3.4	7.4	0.6	4.2	3.2	27.4	2	-0.9	-0.7	1.1
14th	1.9	6.5	3.3	2.1	-7.8	13	-1.3	-1.8	0.9	1.1
15th	12.5	8	5.2	-0.5	-7.9	5.2	-7.1	0.2	5.2	-0.6
16th	5.5	10.1	2.8	0.7	1.1	2.5	-3.9	-1.9	1.5	0
17th	4.6	2.9	1.2	-0.2	10.6	2.5	-1	-1	-1.3	-0.1
18th	2.7	-1.4	0.1	-1.2	-0.4	-1.3	-0.2	0.2	-0.4	1.3
19th	0.1	-0.1	0	-0.3	8.9	-3.5	0.3	0.6	2.5	0
20th	-5.5	1.2	1.2	0.3	6.1	-1.6	-0.2	0.5	4.5	-4.2

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RUN 26   PT 14

V/OR = 0.124   ALFS,U = 5.00   CLRH/S = 0.069397   CTH/S = 0.069705
VKTS = 49.5   MTIP = 0.605   CXRH/S = -0.006565   CP/S = 0.001641

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-23.6		709.2		416		1449.8		-63.6	
RMS	314.6		237		227.2		174.6		113.5	
1/2 P-P	511		424.2		410.1		347		207.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-189.4	388.4	-118	282.5	-68.7	254.3	-45.6	160.3	0.1	148.3
2nd	64.9	-39	83.5	-51.9	137.2	-81.7	131.4	-84.5	27.2	-12.1
3rd	55.9	-19.6	38.8	-22.5	44.5	-37.8	24.7	-50	25.4	-15.8
4th	4.7	-1	-4.8	5.6	-8.2	4.5	-20	-5.2	-15.8	-10.6
5th	-11.2	25.8	-29	24.5	-43.8	20.4	-47.6	3.5	-2.1	16.1
6th	-1.3	2.2	-2.8	12.6	-5	16.2	-6	10.4	1.6	-2.7
7th	-7.7	-4.5	3.8	9.1	11	13.5	12.7	6.4	1	-2.1
8th	4	11.6	11.8	21.3	6.2	9.7	-2.3	-18.9	-2.2	-4.1
9th	20.5	-1.2	16.5	0.4	5.2	0	-10.5	-1.1	6.5	-2.6
10th	13.7	-6.2	15.9	-12.3	2.2	-5.5	-12.2	6.5	-2.4	-8.3
11th	16.5	11.6	48.6	2.6	-0.2	1.4	-34.8	0.5	-7.4	-9.1
12th	-0.2	6.5	5.3	5.7	-3.3	5	-1.2	0.8	-8.9	2.9
13th	15.4	5.3	30.4	-7.8	21.5	2.7	-6.5	4.6	2.3	-5.8
14th	-0.2	2.7	6.5	-2.3	12.4	4.3	1.1	-0.2	-21	-0.1
15th	-1.1	2.2	-2.5	1.8	21.8	3.7	-2.7	-3	-6.5	17.8
16th	-0.3	-1.6	-10.1	-3.3	4.2	8.2	-5.6	-4.4	-1.4	11.4
17th	-1.4	1.1	-3.2	-2.5	6.6	-3.1	-4	0.4	5.1	-0.4
18th	1.1	0.5	-2.4	1.1	-1	-4	-1.3	2.9	-3.4	6.4
19th	-2.4	2.4	-1.4	-1.6	-0.3	-5.7	0.8	-3.2	7.1	2.1
20th	-0.4	3.4	0.1	-0.4	-7	3.4	4.8	-7.7	-8.3	-3.4

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RUN 26   PT 15

V/OR = 0.124	ALFS,U = 5.00	CLRH/S = 0.079685 CTH/S = 0.080041
VKTS = 49.5	MTIP = 0.605	CXRH/S = -0.007573 CP/S = 0.002004

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	169		-2.5		718.3		-72.6		-0.4	
RMS	56.8		39		134.5		60.2		25.3	
1/2 P-P	166.2		90.1		371.4		141.6		92.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-17.2	32.7	-18.5	-4.1	0.2	-58.9	-16.2	-39	-7.4	-12.4
2nd	-10	4	-24.2	6.2	-22.2	2.9	-61.4	9.3	-20.9	3.6
3rd	-5.1	-5.6	-9.8	-0.4	19.1	32.6	-24.8	23.7	-2.1	3.2
4th	-7.1	-10.9	-7.8	-8.4	-22.7	-13.7	0.8	6.9	6.3	-0.2
5th	1.7	-8	-0.4	-6.1	-15.1	7.6	0.8	-1.5	-0.5	-3.1
6th	-0.5	-9.3	-1.7	-7.9	4.6	-12	-1	0.4	-1.9	-3.8
7th	-16	-7.2	-12.3	-3.4	-9.8	-0.3	-0.7	-1.6	-4.2	-3.4
8th	-9	-35	-11.3	-23	-14.2	-8.3	-1.4	-5.1	-3.8	-5.2
9th	-4.2	-8.3	-4.5	-3.9	14.9	-13.7	-1	-0.8	0.2	0.8
10th	-12.2	9.8	-5.6	7.5	-4.2	1.4	-1.3	5.2	1.7	-4.6
11th	-36.8	18.6	-15.2	17	-24.2	85.6	-6.5	9.4	4.7	-8.8
12th	-12.7	12.2	-3	8.3	13.6	-4.9	1.3	2.2	-1.3	-1.6
13th	-2	14.2	2	7	10.2	21.3	0.2	0	0.3	0.9
14th	8	7	4.3	1	1.9	13.8	-3.7	0.6	3.2	-0.2
15th	19.9	-8	4.6	-6.8	0.5	-14.1	-5.5	8.3	4.2	-8
16th	16.2	3.6	4.3	-2.6	-8.8	-9.1	-5.7	2.2	2.2	-2.8
17th	5.1	-3.9	0.5	-1.4	5.3	15.6	0	1.2	-1.5	-0.3
18th	-3.2	-4.4	-1	-0.8	-3.9	-18.5	1.6	1.4	2.4	1.1
19th	-10.1	3.2	0.4	0.2	-2	-4.6	0.4	1.2	7.6	-4.8
20th	-17.9	-1.6	2	0.8	38.9	7.3	-2.4	1	12	-6.6

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RUN 26   PT 15

V/OR = 0.124	ALFS,U = 5.00	CLRH/S = 0.079685	CTH/S = 0.080041
VKTS = 49.5	MTIP = 0.605	CXRH/S = -0.007573	CP/S = 0.002004

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-16.2		710.9		419.7		1456.2		-70.6	
RMS	336.2		268		271.9		221.4		129.2	
1/2 P-P	598.8		544.8		566		478.6		226.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-92.8	451.4	-38.6	326.8	4.2	293.4	7.3	184	14.5	171.3
2nd	54	-34.8	80.5	-54.7	141.8	-90.7	138.3	-94.9	26.4	-7.1
3rd	12.5	-70.6	-5.1	-69.7	-1.2	-91	-14.5	-92.4	22	-11.5
4th	10.6	2.6	4	13.9	0.5	15.4	-12.7	9.4	-12.1	-14.1
5th	12.4	36.2	37.9	92.9	51.4	132.6	56.1	133.7	8.6	6.2
6th	0.4	11.4	-0.4	24.2	-3.8	29	-9.8	13.7	2.9	-1.3
7th	-12.4	14.4	11.7	16.8	18.6	12.2	6.1	-1.4	3.9	-3.8
8th	9.5	7.4	20.6	26.7	12	14.9	-5.8	-19.3	-2.7	-14.3
9th	-0.2	1.2	9.1	2.9	7.5	-2.8	1.7	-6.7	-3.7	-6.8
10th	-1.2	-7.8	5.7	-17.2	-1.1	-6.5	-4.4	14.3	-4.1	-4.1
11th	37	-29.1	47.7	-55.8	3.5	-12.5	-32.8	40	-13.9	-13.7
12th	11.6	-16.7	12.1	-32.7	-0.3	-7	-3	17.8	-12.1	6.2
13th	10.8	11	21.8	-0.4	20.2	13.4	-3.2	1.9	-5.6	-0.6
14th	-3.3	3.9	-8.4	5.4	7.8	6.8	0.4	-3.2	-11	17.8
15th	-0.3	4	-3.7	8.9	19.9	-18.7	-5	-2.5	-4.8	14.1
16th	-0.3	0.2	-12.1	10.4	12.2	5.2	-9.5	0.5	2	15.6
17th	-0.1	2.5	-4.5	-1.5	-1.8	-13.7	-3.5	3.3	11.7	-4.6
18th	-2.9	-0.5	7.7	3.4	2.8	-1.4	8.6	2.5	-1	4.7
19th	-4.3	4.3	3.9	-6.4	-4.2	0.6	11	-16.3	4.4	0.1
20th	-8.3	-10.9	12.1	-0.7	5.5	21.1	38.6	-4.1	-9.9	-8.9

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RUN 26   PT 16

| V/OR = 0.124 | ALFS,U = 5.00 | CLRH/S = 0.089840 | CTH/S = 0.090229 |
| VKTS = 49.5 | MTIP = 0.605 | CXRH/S = -0.008388 | CP/S = 0.002487 |

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	190.1		10.3		335.5		-70.3		2	
RMS	72.2		48.1		119.4		67.3		31.2	
1/2 P-P	226.3		120.5		396.2		161.7		117	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-12.5	39.7	-17.6	-2.1	-24.7	-28.6	-21.3	-43.4	-10.8	-14.2
2nd	-8.6	6.7	-23.2	7.1	-18.9	2.6	-65.2	5	-23	2.8
3rd	-9.3	0.3	-10.3	4.5	-21.2	8.5	-22.1	32.6	-1	5.4
4th	-8.7	-13.5	-8.8	-11	-13.3	10.5	3.2	9	7.4	0.4
5th	-0.8	-21.2	-3.4	-14.8	-11.2	0.7	1.3	2.4	-0.7	-3.3
6th	0.3	-16	-2.8	-13.1	-1.6	2.7	-0.6	1.7	-1.3	-4.7
7th	-22.8	0.3	-16.9	3.1	4.8	-17.8	0.1	-2.2	-4.8	-0.8
8th	-19.2	-42.9	-20.1	-26.7	-16.4	-10.8	-1.4	-6.2	-5.7	-6
9th	-7.6	-5.7	-6.6	-1.8	4.2	-16.1	0.5	0	-0.9	0.6
10th	-7.4	17.7	-1.5	11.9	-11.9	3.1	2.1	6.7	-0.5	-6
11th	-19.2	51.1	0.2	31	46.4	89.3	1	18.2	-0.7	-16.1
12th	-8.6	23.2	0.8	12.1	4.4	-3.6	0.4	5.3	-1.1	-3.7
13th	6.3	15.3	5.9	5.9	45.9	10.9	0.6	1.3	0.1	0.2
14th	9.4	0.9	4.6	-2.6	4.4	-4.5	-1.6	1.1	2.3	-0.5
15th	13.4	-25.7	-0.7	-10.9	-29.8	5.6	0.6	13.7	0.3	-13.6
16th	17.4	-8.1	2.3	-5.3	-10.2	7	-4.1	8.2	0.9	-8.8
17th	2.3	-7	0.1	-1.5	-5.4	24.1	-0.1	2.9	-2.3	-1
18th	-9	-2.1	-1.7	1.7	13.2	4.4	2.5	-0.5	2.8	3.9
19th	-14.6	5.2	0.3	1.7	17.5	-19.6	-0.2	-0.4	10.2	-3.9
20th	-14.4	2.9	1.5	0	32.4	-14.4	-3.6	0.6	7.8	-8.4

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RUN 26　　PT 16

V/OR = 0.124	ALFS,U = 5.00	CLRH/S = 0.089840	CTH/S = 0.090229
VKTS = 49.5	MTIP = 0.605	CXRH/S = -0.008388	CP/S = 0.002487

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	4.3		716.8		423.7		1459.7		-76.4	
RMS	365		307.3		328.2		277.4		143.5	
1/2 P-P	667.4		650.1		695.6		649.8		242.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-54.5	495.7	-4.4	359.1	41.2	323.1	35.7	203.6	24.8	191.9
2nd	63.8	-23.2	93.5	-52.1	157.1	-93.4	154.6	-97.6	26.4	3.6
3rd	-53.5	-62.9	-67.8	-63.7	-66.8	-90.5	-69	-92.1	18.5	-5.7
4th	11.5	-3	9.4	13.1	10.4	19.2	-1.4	11.7	-12	-17.5
5th	38.4	33.1	124.2	90.9	185.2	135.5	197.4	125.1	21.9	-8.5
6th	4.4	8.8	-3.3	40	-12.3	58.5	-27.1	39.5	7.7	-3.1
7th	6.6	17	20.1	14.6	14.5	13.7	-16.9	9.5	3.2	-7.5
8th	17.4	6	33.7	29.8	18.1	18.1	-12.1	-18.9	-4.8	-12.5
9th	15.5	13.6	21.1	4.8	8.1	-4.5	-7.5	-11.2	-7	-6
10th	2.9	-0.5	2.2	-18.1	-1.4	-5.8	1.6	12.3	-4.4	-4.3
11th	11.7	-52	-1.1	-92.3	-4.5	-14.1	-1.7	65.8	-16.6	-5.3
12th	-7.1	-5.1	-7	-21.9	-3.5	6.9	3.5	13.1	-1.2	11.6
13th	12.1	2.3	17.2	-15.5	28.3	0.6	-2.4	5.1	-4.8	-3.2
14th	-4.3	4.6	-5	5.7	9.1	-0.4	0.9	-5.1	-6.4	17.5
15th	1.7	1.1	4.7	6.3	5.6	-40.8	-3.9	-0.7	4.8	5.6
16th	0.6	-1.5	-13	17.3	3.2	-6.1	-10.1	3.9	7.4	3.9
17th	0.7	1	-2	0.6	-6	-14	0.1	3.8	2	-10.9
18th	4.3	-1.7	0.8	-1.4	-18.3	5.5	4.5	-0.1	1.7	-4
19th	0.1	1.7	3.2	-6.7	-12.2	14.2	13.4	-13.9	-8.5	-2.3
20th	7.7	-12.8	3	-0.7	-8.6	35.3	18	3.6	-8.3	2.7

RUN 26   PT 17

V/OR = 0.124   ALFS,U = 5.00   CLRH/S = 0.099871   CTH/S = 0.100309
VKTS = 49.5   MTIP = 0.605   CXRH/S = -0.009391   CP/S = 0.003000

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	209.1		22.5		341.5		-69.3		-3.3	
RMS	84.3		55.3		122.6		75.2		36.9	
1/2 P-P	279.3		129.4		356.5		185.7		144.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-12.7	46.7	-18.7	0.4	-4.8	-30.2	-27.5	-46.9	-13.4	-16
2nd	-6.6	8.4	-22.5	7.3	-17.5	-0.5	-68.8	0.7	-23.8	1.4
3rd	-12.1	8.2	-11.5	10.3	-21.3	-9.7	-23	40	0.7	6.7
4th	-9.6	-16.8	-9.8	-14.2	-1.5	-4.2	3.8	11.8	8.2	1.3
5th	-4.9	-34.4	-8.7	-25.6	11.3	-13.4	3.7	8.8	0	-2.1
6th	-0.4	-21.8	-4.8	-17.8	-0.2	-7.4	1	3.1	-0.1	-4.7
7th	-27.2	-1	-20.6	3.4	-7.2	-25	2.6	-2.8	-5.2	-0.1
8th	-18.2	-44.5	-18.9	-27.4	-20.9	-24	0.4	-6.9	-6.1	-5.8
9th	-4.2	1.1	-3.2	2.5	-14.2	-18.3	1.6	1.1	-1.5	1.3
10th	3.8	22.4	5.2	13.7	-7.3	-1.6	3.3	9	-0.5	-6.8
11th	4	63.5	14.1	33.3	88.7	64.7	6.7	22.6	-4.1	-19.3
12th	1.7	26.1	5.8	11.6	0	-1.5	2.3	6	-2.7	-4.1
13th	11.8	12.4	8.3	3.1	27	-11.6	1	-0.3	-1.1	2.7
14th	10	-6	2.8	-5.3	-15.1	-7.1	-2.5	2.7	3.3	-1.4
15th	13.6	-30.3	-2.1	-12.5	-22.6	29.4	-0.4	17.2	1.6	-17.8
16th	12.4	-8.7	-0.4	-4.4	-0.6	6.1	-1.7	8.5	-1.8	-10.6
17th	-1.6	-8	-1.1	-0.3	16.3	20.4	1.6	0.9	-4.3	1.5
18th	-13.2	-3.9	-2.5	2.7	11.9	-10.5	2.5	-2.4	4.3	8.1
19th	-15.4	3.2	-0.7	1.3	-6.1	-21.5	-1.1	0.1	10.6	-3.2
20th	-19.9	13.7	1.7	-0.7	-3	-41.9	-3.5	1.6	5.5	-17.8

RUN 26 PT 17

V/OR = 0.124 ALFS,U = 5.00 CLRH/S = 0.099871 CTH/S = 0.100309
VKTS = 49.5 MTIP = 0.605 CXRH/S = -0.009391 CP/S = 0.003000

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	21.7		725.6		429.4		1468.6		-86.7	
RMS	386		330.6		359.9		301.9		158.4	
1/2 P-P	674.3		679.5		747.2		699.4		281.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-39.8	524.6	14.7	378.4	65.5	342.3	60.2	216.5	24.6	212.5
2nd	77.1	-23.3	108.2	-57.9	173.8	-99.3	172.9	-103.3	31.3	14.8
3rd	-79.4	-31.8	-95.8	-40.2	-98.3	-72.9	-96.9	-81.4	13	1.7
4th	8.5	5.6	5.6	29	6.9	41.4	-4	25.6	-10.9	-20.2
5th	49.3	37.2	150.9	89.8	224.6	130.5	228.3	104	29.9	-15.3
6th	2.6	13.4	0	49.3	-5.1	69.1	-23.5	45.6	9.9	-1.5
7th	13.4	8	24.8	15.6	15.5	22.7	-18.2	29.1	4.2	-4.6
8th	18.5	2.1	33.9	29	16.4	19.4	-5.6	-17	-5	-11.2
9th	21.4	5.5	20.4	-5.3	9.2	-7	-2	-7.7	-1.7	-4
10th	-.7	-4.6	-3.9	-23.4	2.6	-8.5	5.9	11.5	1.9	-2.2
11th	-13.5	-48.5	-41.6	-87.4	-7.4	-9.7	25.1	63.5	-6.4	-2.1
12th	-9.4	10.1	-9.4	-3.8	2.2	18	6.9	5.6	-2.7	4.6
13th	6.7	-5.7	5	-20.9	21.3	-6.1	3.5	6.2	-5.3	-2
14th	-2.5	2.1	-5.7	7.8	3.3	-7.6	1.4	-5.2	-2.4	8.9
15th	4.7	1.1	5.6	7.6	1.9	-47.4	-4.7	-2	8.6	11.7
16th	1.6	0.7	-7	19	2	-3.4	-9.1	3.7	18.1	3.8
17th	-0.2	4.3	-0.7	-1.5	-12.2	-17.7	2.8	5.6	1.7	-17.2
18th	2.2	-3.2	4.6	-1.2	-18	9.8	12.2	6.4	-1	-9.1
19th	1.4	7	1	-10.4	-20.1	4.2	11.1	-17.2	-10.7	-3.3
20th	6.3	-13.4	2.5	-7.8	-3.7	47	15.1	-12.8	-13.2	5.9

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RUN 26   PT 18

V/OR = 0.124   ALFS,U = 5.00   CLRH/S = 0.110145   CTH/S = 0.110601
VKTS = 49.5   MTIP = 0.605   CXRH/S = -0.010041   CP/S = 0.003698

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	228.4		35		430.1		-65.7		-17.3	
RMS	93.2		60.4		146.7		81.4		43	
1/2 P-P	299.1		141.3		673.6		202.1		153.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-10	54.9	-17.9	3.5	25	-12.3	-31.7	-49.9	-17.8	-17.6
2nd	-3.5	13	-20.4	8.1	-9.2	15.6	-69.9	-5.1	-25.3	0.8
3rd	-13.1	19	-11.3	17	29.4	-30.8	-22.1	48	3.6	8.6
4th	-11.8	-18.3	-12.5	-16.6	-31	-23.1	4.3	11.4	7.2	1.9
5th	-17.7	-50.3	-23.7	-36.9	-8.4	-3	13.9	14.6	3.1	-0.8
6th	0.3	-29.8	-5.7	-22.9	-9	-4.6	4.3	4.1	1.2	-4.2
7th	-27	2	-18.9	7.1	-22.5	-19.6	5.8	-4.9	-4.7	1.1
8th	-12	-46.7	-14	-28.8	-9.1	-24.4	1.2	-9.3	-6	-4.9
9th	4.3	6	3.5	4	-19.7	14.4	0.7	2.3	-0.6	2.5
10th	12.8	26.5	10.7	15.3	-14.1	-6.1	2.2	13.2	1	-7.2
11th	-10.1	48.4	3.4	28.3	73.9	38.6	-1.2	22	2.3	-17.7
12th	11.8	13.5	8.3	4.5	-13.4	13.5	4.2	1.1	-5.2	-0.7
13th	13.9	10.6	9.2	0.7	26.8	-14.9	-0.3	-5.1	-0.7	7.3
14th	8.4	-1.9	2.7	-3.7	24.4	-6.1	-5.9	1.3	7	0.8
15th	2.3	-26.6	-5	-9.3	-39.7	4	2.8	15.6	0.3	-17.1
16th	9	-21.7	-5.3	-8.8	-0.3	7.8	3.9	13.3	-5.8	-15.3
17th	-2.8	-11.7	-2.6	-1.5	12.3	-2	2.6	0	-6.4	3.6
18th	-17.4	-7.9	-3.6	2.8	-0.5	4.2	3	-3.3	4.4	8
19th	-12.9	6.5	-0.8	1.6	-3.1	-17.5	1.3	-0.8	7.3	-7.5
20th	-34.1	32.5	3.4	-1.7	-8.9	-33.8	0.7	2.9	7.4	-33.8

D-143

RUN 26 PT 18

V/OR = 0.124
VKTS = 49.5

ALFS,U = 5.00
MTIP = 0.605

CLRH/S = 0.110145
CXRH/S = -0.010041

CTH/S = 0.110601
CP/S = 0.003698

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	46.6		739		423.7		1472.7		-115.6	
RMS	412		356.3		393.5		322.5		178.1	
1/2 P-P	719.3		704.6		836.8		765.1		329.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-51.8	554.4	10.1	400.6	68	368.4	70.2	235.3	24.5	234.2
2nd	93	-16.3	124.7	-57	188.8	-95.5	192.1	-100	37	26.5
3rd	-94	7.6	-115.4	-7.1	-123	-40.5	-118.6	-60.2	11.5	13.6
4th	4.6	19.8	4.4	54.7	6.6	75.2	-7	51.2	-8.4	-22
5th	69.6	45.6	175.7	92.4	253.3	128.1	234.8	92.2	39.2	-32.4
6th	-2.3	15.8	1.5	66.3	0.4	92.3	-6.7	75.6	14.7	-2.7
7th	17.5	4.6	23.2	18.4	7.2	29.4	-7.2	48	7.8	-2.8
8th	13	-6.9	24.9	30.5	9.9	24.8	7.9	-12.1	-7.2	-11.8
9th	17.5	-1	11.3	-10.5	10.8	-8	8.6	-7.8	1.2	-0.7
10th	12.6	-20.9	-9.1	-39.6	6.6	-15.6	8.2	26.9	7.4	-3.5
11th	-22.6	-35.1	-29.9	-64.5	-11	-5.8	17.8	53	-3.3	-2.3
12th	-27.6	19.1	-29.7	29.6	-7.6	28.5	19.5	-3.3	-2.8	2
13th	5.7	-18.3	-4.9	-30.2	15.6	-12.4	7.6	11.8	-10.3	4.5
14th	-0.7	0.1	-9	1.3	1	-8.1	1.8	-3	4.1	7.1
15th	7.7	5	16.3	6.9	-3	-38.9	-3.3	-2.1	5.5	8.5
16th	2	6.2	1.5	27.5	-6.1	-16.3	-11.3	5.6	26.1	25.2
17th	-0.7	2	0.5	5.9	-11.9	-10.5	3.7	10.5	-1.9	-18.9
18th	3.7	-6.5	9.1	-0.8	-21.8	15.5	15.9	6.3	-1.2	-9.5
19th	13.3	5.3	-3.6	-10.6	-31.2	16	-8.6	-17.7	-11.3	-5.7
20th	11.3	-24.7	9.4	-13.5	5.6	89.8	14.4	-31.5	-18.4	14.9

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RUN 29   PT 5

V/OR = 0.125	ALFS,U = 5.00	CLRH/S = 0.060071
VKTS = 50.1	MTIP = 0.606	CXRH/S = -0.005791

CTH/S = 0.060347	
CP/S = 0.001327	

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	135.7		-22.2		2527.7		-76		-15.8	
RMS	29.2		27.7		41.6		49.2		16	
1/2 P-P	73.3		61.1		305.8		98.4		39.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-15.2	12	-14.6	-10.8	-1.7	-3.4	-3	-32.9	-1	-9.9
2nd	-12.8	2.7	-23.9	6.7	3.5	-4.7	-52.4	19.2	-15.6	4.8
3rd	-0.8	-10	-7.9	-8.5	0.6	-1.4	-19.9	8.6	-2	-0.7
4th	-6.9	-9.9	-7.3	-7.3	2.7	2.8	2.1	4.2	5	-1.2
5th	3.5	-4.4	3.7	-6.1	2.3	2.4	-2.8	2.7	-2.5	1.1
6th	-0.7	0.9	0.4	0.7	-4.7	0.5	-1.8	-2.3	-1.9	-0.5
7th	0.9	0	0.3	-0.1	-3.1	0.1	-1.4	-0.5	0.4	-1.6
8th	-2.9	-7.2	-2.6	-4.7	1.1	-2.6	-1	-1.7	-0.8	-2.4
9th	0.7	-4.1	0.1	-2.7	-0.9	-5.1	-0.3	-1.1	-0.4	0.6
10th	-3.3	0.5	-1.5	0.4	3.2	-1.2	-1.2	1.5	1	-1.1
11th	-23.7	-12.6	-14.6	-2.2	7	3.2	-8.7	-0.2	5.8	0.3
12th	-1.2	-6.2	-1.5	-2.8	-1.2	3.1	0.3	-1.3	-0.7	1.4
13th	-2.6	-0.1	-1.5	0.2	-4.8	2.2	0.6	-1	-0.4	1.6
14th	-4.6	5.3	-0.4	2	0.3	-0.5	0.8	-3.1	-0.9	2.5
15th	-2.5	6.8	0.5	2.5	-0.7	-3.8	-1	-3.1	0	2.4
16th	-4.1	5.3	0	2.2	-0.2	-1.4	-0.2	-3.1	-0.8	1.4
17th	-1	2	0.3	0.6	5.4	1.7	-0.5	-1.4	-1.5	-0.4
18th	0.9	-0.3	-0.3	0.1	1.4	0.9	-0.1	-0.4	-2.9	1.1
19th	4.9	-0.2	-0.5	-0.2	-2.9	2.6	0.4	-0.2	-3.8	2.9
20th	-0.3	5.9	0.7	-0.5	1.9	4.3	0.6	0.1	-0.8	-3

D-145

RUN 29   PT 5

V/OR = 0.125   ALFS,U = 5.00   CLRH/S = 0.060071   CTH/S = 0.060347
VKTS = 50.1   MTIP = 0.606   CXRH/S = -0.005791   CP/S = 0.001327

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-36		706.9		405.7		1437.4		-34.8	
RMS	231.5		177.4		179.7		150.5		88.8	
1/2 P-P	401.4		367.6		364.6		294.6		169.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-197	247.3	-132.6	182.5	-91.4	175.9	-67.7	114.9	-5.5	118.5
2nd	51.4	-33	69.5	-42.7	118.3	-70.8	113.6	-72.3	11.7	-1.7
3rd	32.1	33.3	24.1	29.8	29.4	18.3	16.9	-2	28.3	-6.2
4th	8.6	-2.8	0.6	-0.1	-1.4	-4.4	-13.3	-13	-6.6	-12.7
5th	-8.5	6.2	3.2	-31.8	12.2	-60	20.3	-81.1	-12	10.8
6th	1.2	-3.1	-2	5.5	-4.7	10.8	-7.8	11.4	-0.8	3.6
7th	9.6	4	4.8	3	0.5	2.7	-4.5	-0.6	3	-1.9
8th	1.9	5.3	5.3	7.3	2.1	2.4	-0.2	-8.2	-2.6	-2.3
9th	-1.6	6	1.1	6	1.1	0.4	3.2	-6.1	-0.6	-1.8
10th	4.5	-1.7	6.7	-4	0.3	-2.5	-4.3	0.9	-2.3	-0.1
11th	18.6	8	40.2	6.9	4.6	-0.5	-27.2	-5.6	0.1	-5.2
12th	6.2	-5	7.4	-1.6	1.3	-4.3	-2.6	0.1	-1.6	-1.3
13th	-3.3	-0.1	-3.7	4.3	-6.2	5.2	1.3	-0.1	1.5	2
14th	-1.4	-1.3	-6.3	-7.1	-9.4	1.8	2.7	0.9	-7	-0.1
15th	-0.1	-0.3	7.3	0.8	9.4	11.7	1.3	0.5	1	-0.4
16th	0	-0.8	-0.7	-4.8	-2.5	5.2	0.5	-1.6	-0.2	-1.9
17th	-0.6	-1.2	1.8	-2.2	4.2	1.6	0.4	0	-1.7	-0.7
18th	1.5	-1.2	-0.9	-0.9	-0.1	-0.9	-1.6	2.5	2.2	-2.2
19th	0	-6	-2	4.2	6.8	4.8	-3.8	9.5	4	0.2
20th	-0.1	-0.1	-3.4	-1.8	2.8	4.5	-3.7	-6.8	-3.7	-0.2

D-146

RUN 29   PT 6

| V/OR = 0.125 | ALFS,U = 5.00 | CLRH/S = 0.069394 | CTH/S = 0.069715 |
| VKTS = 50.1 | MTIP = 0.604 | CXRH/S = -0.006713 | CP/S = 0.001568 |

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	149.8		-12.8		2416.1		-75.4		-46.1	
RMS	44.4		33.8		320.2		55.3		19.8	
1/2 P-P	122		83.5		998.9		123.5		55.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-21.7	23.7	-18.7	-7	2.4	0.3	-9.7	-35.6	-3.7	-10.3
2nd	-10.2	3.8	-23.5	6.7	12.2	-6	-57.2	16.4	-18.7	4.2
3rd	-1.6	-9.2	-10	-5.5	8.2	38.4	-25.7	15.2	-2.5	1
4th	-7.3	-11.1	-7.9	-8.4	-7.1	30.5	1.5	5.4	5.7	-0.4
5th	2.2	-6.3	0.9	-7.8	-41	55.1	0	3.6	-0.8	1
6th	0.8	-2.5	1.1	-2.4	8.5	10.2	-2.3	-1.6	-1.7	-2.2
7th	-3.9	-6.4	-3.5	-4	48.1	-11.2	-1.1	-1.7	-1.2	-3.1
8th	-6.8	-21.8	-7.5	-15	5.7	55.4	-1.9	-3.7	-2.7	-4.1
9th	-2.2	-6.9	-3.6	-4.2	-32.9	-7.3	-1.9	-1.2	-0.6	1.5
10th	-10	3.5	-5.2	3.3	35.3	22	-3.2	3.3	2.7	-2.4
11th	-40.2	-9.1	-22.5	2.2	144.6	-82.4	-12.4	1.6	8.8	-1.7
12th	-6.7	-0.4	-2.9	1	14.8	-22.3	0.9	0	-1.3	0.3
13th	-3.7	6	0.1	3.5	12.6	14	2.1	-0.8	-1.2	2
14th	0.4	5.5	2.4	2	-20	-22	-0.6	-2	0.4	1.1
15th	9.8	7.7	4.2	0.2	-49.1	-64.4	-6.3	-0.5	4.4	-0.6
16th	2.2	7.2	1.5	0.7	41	-74.3	-2.6	-1.4	-0.1	-1.1
17th	2.5	1.7	0.4	0	-30.3	-20.9	-0.3	-0.7	-2.8	-0.4
18th	2.2	-1.5	-0.2	-0.7	-5.9	52.8	0.3	-0.3	-1.6	1.8
19th	1.5	0.9	-0.2	-0.4	-60.1	-27	0.3	0.5	1.1	0.3
20th	-7.6	6.2	1.3	0	3.8	-37.9	-0.4	1	4.2	-7.5

D-147

RUN 29   PT 6

V/OR = 0.125   ALFS,U = 5.00   CLRH/S = 0.069394   CTH/S = 0.069715
VKTS = 50.1   MTIP = 0.604   CXRH/S = -0.006713   CP/S = 0.001568

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-40.3		699.5		403.1		1438		-54	
RMS	311.4		235.3		226.3		175.4		110.2	
1/2 P-P	507.6		432.1		424.2		347.6		212.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-186.3	384.9	-115.6	280.9	-68.5	253.2	-46.7	160.5	-2.5	147.9
2nd	61.9	-38.9	80.7	-51.8	134.1	-82.7	129	-85.5	23.5	3.9
3rd	60.1	-16.9	42.6	-19.6	47.5	-34.4	27.4	-46.8	31.1	-10.1
4th	2.3	0.3	-7.9	8.3	-12.2	6.4	-25	-3.3	-8.7	-12.6
5th	-13	25	-32.3	24.5	-50	20.9	-53.1	4.3	-7	12.3
6th	-0.4	0.7	-2.8	11.4	-6.5	16.3	-7.6	11.5	0.9	2.3
7th	-7.6	-7.4	4.9	7	11.8	13.8	12.1	9.3	-0.7	-2.7
8th	4.5	11.3	13	20	6.5	8.7	-4.2	-19.3	-3.6	-4.4
9th	17.7	-3.1	15.1	-0.5	5.6	0.1	-8.9	-0.6	1.1	1.7
10th	10.9	-6.2	14.7	-12.5	1.4	-5.1	-11	5.4	0.2	0.6
11th	18	13.6	51.5	5.4	1.3	2	-36.2	-2	-0.1	-5.1
12th	2.1	3.6	7.9	3.1	-1.4	3.2	-2.2	1	-1.9	-2.7
13th	11.1	2.2	22.7	-8.6	15.5	1.1	-4.4	4.3	1.4	-0.5
14th	-0.8	2.1	4.5	-1.6	8.1	3.3	1.8	0	-7.7	-3.7
15th	-0.9	2.2	-0.9	2.3	19.4	6	-2.1	-2.4	-5	7
16th	-0.5	0.3	-5.9	-4.5	3	3.6	-4	-4.6	-3.6	7.5
17th	0.2	1.9	-2.8	-1.8	1.7	-2	-3.8	0.2	3.6	0
18th	1.7	0.5	-1.9	0.5	-2.5	-3.8	-1.7	2.9	0.2	0.5
19th	-2.5	4.3	-2.1	-2.4	0	-8.3	-2.1	-4.4	-0.4	3.5
20th	2.1	5.9	-1.7	-4.4	-10.1	6	0.5	-17	-6.8	-1.5

D-148

RUN 29   PT 7

V/OR = 0.125   ALFS,U = 5.00   CLRH/S = 0.079660   CTH/S = 0.080014
VKTS = 50.1   MTIP = 0.607   CXRH/S = -0.007537   CP/S = 0.001953

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	168.6		-1.7		2122.8		-73.8		-51.5	
RMS	55.8		37.8		439.2		61.2		25.1	
1/2 P-P	158.5		91.3		988.9		143.4		89.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-14.9	35.6	-17.5	-3.2	-61.8	-155.7	-16.2	-39.2	-7	-12.2
2nd	-10.3	4.2	-24.5	6.5	12.8	15.4	-62.4	10.4	-21.3	3.4
3rd	-5.5	-7.2	-11	-1.4	-24.7	125	-26.9	23.4	-2.4	2.9
4th	-7.7	-11.2	-8.3	-8.6	-130.3	-14.4	1.1	6.3	6.6	-0.2
5th	1.5	-7.9	-0.8	-6.4	-66.1	17.1	1.5	-0.9	-0.1	-2.6
6th	-0.1	-8.3	-1.3	-7.2	-72	44.3	-1.2	-0.5	-2.1	-3.7
7th	-14.9	-8.1	-11.5	-4	-58.1	99.4	-0.8	-2.2	-3.8	-3.6
8th	-9.2	-31.2	-11	-20.4	-4.4	5.9	-1.8	-5.1	-3.5	-4.5
9th	-5	-7.3	-4.7	-3.3	-56.2	13.3	-1.5	-0.7	0.3	1
10th	-13.4	9.2	-6.3	7.3	-7.4	17.4	-2.1	5.2	2	-4.6
11th	-41.1	5.8	-19.9	11	-59.8	50.8	-9.5	6	6.2	-5.8
12th	-10.3	9.9	-2.4	6.8	3.5	-17.7	1.6	1	-1.7	-0.2
13th	-1.8	12.8	1.6	6.4	-29.8	144.9	0	-0.9	0.4	2
14th	7.3	7.3	4.3	1.2	-9.5	100.3	-4.3	-0.4	3.4	0.3
15th	20.5	-4.4	5.5	-5.7	23.5	-2.6	-7.2	6.8	5.1	-7
16th	12.9	5	3.8	-1.6	5.2	-28.1	-4.7	1	1.1	-2
17th	4.7	-3.8	0.5	-1.1	44.5	62.6	0.6	0.5	-2.1	0.5
18th	-2.9	-4.6	-0.9	-0.9	1.6	-82	1.7	0.6	2.1	1.8
19th	-10.4	3.4	0.5	0.2	-16.9	-33.1	0.4	0.7	8	-5.2
20th	-17.8	-2.5	2	0.8	63.3	-100	-2.4	1	12.1	-6.6

D-149

RUN 29   PT 7

V/OR = 0.125	ALFS,U = 5.00	CLRH/S = 0.079660	CTH/S = 0.080014
VKTS = 50.1	MTIP = 0.607	CXRH/S = -0.007537	CP/S = 0.001953

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-28.4		709.4		410		1456.4		-71.1	
RMS	329.8		262.1		268.1		219.5		128.1	
1/2 P-P	583.2		538.6		558.7		461.2		229.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-100.8	439.2	-45.9	316.4	-2.1	285.3	4.1	179.1	7.3	174.3
2nd	56.8	-35.4	82.6	-54.9	143.4	-90.9	140.6	-95.6	26.6	5.8
3rd	22.6	-72.6	3.4	-71.7	7.3	-92.7	-8.3	-94.3	24.5	-9.5
4th	11.1	3.5	4.6	15.9	1	18.1	-13	11.1	-10.8	-11.1
5th	8.6	37	28.6	95.4	38	136.1	41.1	136.9	3	8.4
6th	0.3	9.7	-1.2	23.6	-5.6	29.7	-10.5	15.1	6	2.2
7th	-13.4	12.2	10.8	16.8	18.7	14.6	9	-0.1	0.2	0
8th	9.2	7.3	20.3	24.3	11.6	13.8	-5	-17.8	-1.6	-6.6
9th	0.7	0.1	9.6	1.5	7.3	-2.1	0.5	-5.1	2.5	-2
10th	-0.7	-10.3	7.1	-19.3	-1.2	-6.5	-6.2	14.6	-2.4	0.4
11th	42.9	-16.7	63.3	-38	7.4	-9.6	-43.1	27	-2	-8.8
12th	9.7	-14.5	9.7	-27.5	-0.4	-6	-1.7	14.8	-3.8	-4.3
13th	6.9	12.5	17.3	5.7	16.6	17.3	-2	0.3	2.6	-1.4
14th	-3.1	3.2	-8.4	2.7	7.1	5.7	0.9	-2.7	-7.8	4.2
15th	-1.1	4.1	-5.7	7.8	21.4	-14.4	-5.1	-2.4	-6.3	6.6
16th	-0.4	-0.7	-10.6	8.7	11	7.7	-8.5	0.5	-3.9	7
17th	-0.8	2.2	-2.8	-1.9	0	-13.7	-3.1	3.9	4.2	-4.5
18th	-2.2	-3.1	7.3	5.7	3	2.7	8.2	5.9	1.2	1.4
19th	-3.4	4.1	3.1	-7.1	-5.9	1.2	10	-16.5	-6.2	3
20th	-6.8	-10.5	10.3	-1.1	2.2	20.7	36.7	-3.2	-10.5	-4.7

D-150

RUN 29   PT 8

V/OR = 0.125   ALFS,U = 5.00   CLRH/S = 0.089378   CTH/S = 0.089774
VKTS = 50.1   MTIP = 0.605   CXRH/S = -0.008442   CP/S = 0.002358

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	186.9		10.2		1471.2		-72.4		-59	
RMS	71.3		45.9		582		67.2		30.7	
1/2 P-P	223.3		113.4		1158.8		155.9		114.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-11.7	43.5	-17	-1	-105.3	130.4	-21.2	-43.2	-10.2	-13.6
2nd	-9.4	7	-24	7.4	46.8	-174.5	-66	6.6	-22	2.1
3rd	-9.6	-2.6	-11.3	2.5	-53.3	1.3	-24.6	30.8	-0.9	4.4
4th	-8.7	-14.5	-8.7	-11.4	-68.2	118.7	2.5	8.8	7	-0.4
5th	0.5	-17.3	-1.5	-11.8	19.2	-83.5	0.2	0.4	-1.6	-3.5
6th	-0.8	-14.7	-3.1	-11.9	31.6	-71.1	-0.9	0.5	-1.1	-4.8
7th	-22.3	-2.7	-16.8	0.8	34.3	18.1	-0.5	-2.6	-4.9	-1.3
8th	-16	-41.8	-17.5	-26.7	-49.9	12.1	-2	-6.2	-5.4	-5.5
9th	-8.1	-6.9	-7.2	-2.9	20.1	3.1	-0.5	0.1	-1.1	0.3
10th	-11.6	13.5	-4.8	9.9	-18.1	37.5	0.9	6	0.1	-5.6
11th	-27.4	37.7	-6.3	25.3	101.2	395.9	-1.7	14	-0.2	-11.9
12th	-12.9	23.1	-0.9	12.9	1.1	77	0.7	4.2	-1.3	-2
13th	2.6	17.2	4.9	7.6	262.3	173	0.2	1	-0.2	0.8
14th	10.6	3.7	5.5	-1.8	59.4	14.8	-3	1.1	3.3	-1.1
15th	21.2	-22.6	2.5	-11.3	-72.1	-75.1	-2.8	14	2.6	-14.3
16th	19.3	-6	3.2	-5	-12.9	-1.3	-4.6	7.2	1.3	-7.2
17th	3.3	-9	-0.5	-1.7	-23.3	68.5	1.3	3	-3.8	-1.4
18th	-8.8	-4	-2.2	0.9	-4.9	72.8	3.2	0.3	2.5	3.2
19th	-16.8	7.9	0.5	1.4	31.6	-58.7	0.1	0.1	10.9	-6.5
20th	-21.8	0.7	2.4	0.5	109	23.5	-4.1	1	13.2	-9.2

RUN 29   PT 8

V/OR = 0.125   ALFS,U = 5.00   CLRH/S = 0.089378   CTH/S = 0.089774
VKTS = 50.1   MTIP = 0.605   CXRH/S = -0.008442   CP/S = 0.002358

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-8.3		714.8		418.9		1458.6		-86	
RMS	353.7		296.8		322		275.1		141.6	
1/2 P-P	652.1		624.8		681.5		629.8		231	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-46	480.8	0.3	345.5	43.3	313.3	37.4	196.6	16.6	193.2
2nd	62	-22.4	91.5	-51	155.1	-93.5	152.6	-99.6	29.4	12.2
3rd	-44.2	-70.3	-59.4	-70	-57.3	-97.5	-62.1	-98.9	15.9	-5.5
4th	10.2	-5.2	5.6	9.6	4.6	12.7	-8.6	5.8	-12.4	-10.9
5th	34.5	32.3	120.3	93.2	180.3	138.3	195.5	133.2	10.9	-3.7
6th	4.2	8.8	-0.8	38.1	-7.4	55.1	-20.4	36.9	8.6	2.5
7th	4.9	15.3	20.7	16.5	16.7	16.3	-12.5	8.7	1.7	-1.6
8th	18.4	6.9	32.1	29.8	17.8	17.3	-12.4	-20.8	-1.6	-7.9
9th	18.3	13.1	23.7	5	9.8	-3.9	-11	-10.7	2.9	-2.7
10th	9.9	-0.8	11.9	-17.6	-0.3	-6.4	-6.4	11.5	0.8	0.1
11th	23.4	-41.8	20.8	-77.5	-1.4	-12.8	-14.9	55.5	-5.6	-7.5
12th	-3	-6.1	-0.8	-25.5	-3.6	5.5	2.8	15.1	-6.3	-0.4
13th	13.3	8.4	23.8	-9.6	30.2	7.8	-3.6	3.6	3.6	-5.7
14th	-3.9	5.3	-6.2	2.5	12	-1.7	0.3	-4.6	-11.1	7
15th	0.2	2.7	0.4	12.4	15.6	-35.7	-6	-0.2	-0.7	6.5
16th	-0.2	-1.2	-17.3	14.8	3.4	-6.2	-11.9	3.7	1.3	5.9
17th	1.3	1.1	-1.3	2.4	-6	-14.5	-0.9	5.1	1.6	-6.1
18th	4	-1	3.2	-1.1	-17	2.4	4.9	-1.3	3.4	-1.5
19th	0.2	2.7	3.1	-8.9	-13.5	17	11.7	-20.9	-7.2	1.8
20th	7.5	-14.5	6.2	-0.2	-14	42.6	28.6	3.2	-12.3	-2.6

D-152

RUN 29   PT 9

V/OR = 0.125	ALFS,U = 5.00	CLRH/S = 0.099581	CTH/S = 0.099992
VKTS = 50.1	MTIP = 0.606	CXRH/S = -0.009063	CP/S = 0.002934

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	206.7		22.8		2501.9		-69.9		-41.4	
RMS	88.6		56.8		145.4		76.8		38.7	
1/2 P-P	283.9		140.4		599.6		192.6		153.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-6.7	48.3	-15.9	0.5	2.5	6.2	-27.2	-47.7	-15.6	-15.7
2nd	-6.2	9	-22.1	7.7	0.6	-2.7	-70.3	1.5	-24.2	0.9
3rd	-11.5	6.1	-11.5	8.8	4.4	-27.8	-23.8	39.3	0.7	5.9
4th	-10.5	-16.6	-10.4	-13.7	11.4	18.4	4.5	11.6	8.3	0.3
5th	-6.4	-30.6	-9.5	-21.6	-6.8	-9.4	5.2	6.2	-0.9	-4.1
6th	-3.2	-19.4	-6	-15.4	-12.5	31.1	1.1	1.6	-0.2	-4.5
7th	-29	1.3	-21.3	5.5	-14.4	25.9	1.8	-3.2	-4.9	0.1
8th	-21.5	-44.9	-21.5	-27.2	16.8	-12.5	-0.9	-6.9	-6.4	-6.1
9th	-7.5	0.4	-5.4	2.6	-37	-9.8	0.8	1.6	-1.4	1.1
10th	0.8	23.1	3.5	14.5	1.9	-8.2	4.4	9.4	-1.1	-7.4
11th	-4.7	73.1	11.5	40.2	7.5	15.8	6.6	25.6	-5.4	-20.6
12th	-3.8	29.8	4	14.3	-0.1	-6.1	1.7	6.6	-2.4	-4.1
13th	11.4	14	8.2	4.4	28.5	31.7	0.1	0.3	0.4	2.3
14th	12.5	-5.1	4	-5.3	-7.8	-7.4	-3.8	2.8	4.5	-0.6
15th	19.7	-35.1	-1	-14.8	-9.7	6.9	-1.9	19.9	2	-19.6
16th	14.2	-8.5	0.5	-4.7	-18	33	-2.8	9.1	-0.8	-10.8
17th	-0.1	-8.4	-0.8	-0.3	17.9	-17.8	1.9	1.7	-4.9	-0.1
18th	-12.1	-4.4	-2.5	2.4	-5.5	4.4	2.8	-1.7	3.6	8.3
19th	-18	3.2	-0.3	1.6	5.8	-18.2	-1.6	0.4	13.2	-3.3
20th	-18.7	5.2	1.5	0.1	27.5	1.8	-4.6	1.3	9.3	-13

D-153

RUN 29   PT 9

V/OR = 0.125   ALFS,U = 5.00   CLRH/S = 0.099581   CTH/S = 0.099992
VKTS = 50.1   MTIP = 0.606   CXRH/S = -0.009063   CP/S = 0.002934

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	15.3		727.3		428.5		1469		-104.2	
RMS	379.8		328.4		357.5		302.9		159.9	
1/2 P-P	669.8		672.5		733.9		710.5		271.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-43.8	514.7	7.5	370.4	59.4	337.2	54.8	213.4	25.5	215.7
2nd	79.1	-21.6	108.6	-56.9	172.3	-99.7	171.6	-102.9	34.8	19.1
3rd	-73.1	-39.8	-90.9	-46.2	-94.2	-77.5	-92.9	-83.4	14.9	0
4th	8.6	4.9	5.2	29.3	5.8	42.3	-5.4	28.6	-14.5	-14.7
5th	44.9	36.3	144.8	97.5	216.9	144.8	222.2	125.7	20.1	-15.4
6th	1.5	10.7	1	47.7	-2.7	69.3	-20.3	47.2	10.7	0.4
7th	13.1	5.5	26.5	13.2	18.2	21.6	-18.2	30.6	2.5	-0.9
8th	19.4	2.4	36.6	29.4	18.8	17.9	-8.9	-16.5	-1	-9.7
9th	22.6	4.3	23.3	-5.9	9.9	-6.9	-4.7	-4.1	2.2	-3
10th	8.9	-3.6	-1.4	-24	1.9	-7.4	5.3	13.6	5.1	-3.8
11th	4.9	-61.4	-24.9	-112.4	-2.5	-14.6	13.6	80.3	-3.1	-2.2
12th	-12.1	7.1	-11.3	-10.2	-0.5	17.7	7.4	9	-4.8	5
13th	8.6	0.5	11.1	-14.5	28.2	-0.4	1.2	4.2	0.2	-3.1
14th	-3.6	2.7	-7.9	7.5	5.6	-7.3	1.6	-5.5	-8.3	5.9
15th	4.3	1.1	5.6	12.2	8.2	-52.5	-4.5	-0.4	5.9	6.7
16th	1.1	-0.9	-11.1	17.8	0.8	-4.8	-9.2	3.5	12.4	7.2
17th	0.1	4.5	-0.9	-2.2	-10.7	-20.1	2.3	4.3	3.1	-14.5
18th	2.9	-1	6.5	-1.9	-17.6	4.2	11	3.3	2.8	-10.9
19th	1	10.2	2.4	-12.8	-24.8	0.2	13.9	-21.7	-5.5	-1.8
20th	7.6	-13.1	3.5	-5	-10.6	40.1	21	-2.2	-9.2	0.8

D-154

RUN 29 PT 10

V/OR = 0.125
VKTS = 50.0

ALFS,U = 5.00
MTIP = 0.605

CLRH/S = 0.090369
CXRH/S = -0.008278

CTH/S = 0.090746
CP/S = 0.002423

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	186.1		10.4		2279.6		-72		-46.2	
RMS	72		46.3		500.3		68.3		31.2	
1/2 P-P	233.9		118.1		1057		159.1		123.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-9	43.4	-15.9	-1.3	47.4	19.7	-21.9	-43.8	-9.6	-14.1
2nd	-8.7	7	-23.5	7.2	38.5	183.6	-67	5.5	-22.4	1.2
3rd	-9.8	-1.6	-11.4	3.2	-8.8	-122	-24.8	31.5	-0.9	4.9
4th	-8.9	-14.4	-8.7	-11.7	59.2	-20.8	2.9	8.9	7	-0.3
5th	-0.7	-18.2	-3	-12.2	-84.4	-55.2	1.4	0.1	-0.9	-3.6
6th	-1.3	-15.7	-3.9	-12.4	-107.6	77.7	-0.5	0.4	-1.2	-4.9
7th	-22.9	-2	-17.3	1.5	-47.7	41.5	-0.2	-2.8	-4.9	-0.6
8th	-17	-42	-18.2	-26.5	87.3	115.6	-2	-6.3	-5.1	-5.6
9th	-8.9	-5.8	-7.4	-1.8	-86.9	-183.7	-0.6	0.2	-0.6	0.7
10th	-12	14.9	-4.8	10.7	32.7	-55.4	0.9	6.3	0	-5.7
11th	-22.9	40.9	-3.6	26.5	-173.4	217.5	-0.2	14.4	-1.1	-12.5
12th	-12.7	24.5	-0.7	13.5	34.5	-41.2	0.8	4.5	-1.4	-2.2
13th	2.8	17.4	5	7.6	103.9	171.3	0.3	0.8	0	0.9
14th	11.4	2.3	5.5	-2	-1.8	-24.6	-3	1.6	3.2	-1.1
15th	20.6	-23.9	2	-11.7	6.6	-36.3	-2.6	14.4	2.4	-14.7
16th	18.6	-6.3	2.9	-5	-135.1	4.9	-4.3	7.7	1	-8
17th	2.4	-9.4	-0.6	-1.6	-1.3	107.1	1.9	3.3	-3.7	-1.7
18th	-9.1	-4.3	-2.1	0.9	-3.2	58.2	3.3	0.3	2.7	3.2
19th	-17.1	7.3	0.8	1.5	108.8	-39.7	-0.1	-0.1	11.4	-6.1
20th	-22.6	0	2.4	0.8	-49.7	39.5	-4.6	0.8	14.1	-9.2

RUN 29   PT 10

V/OR = 0.125   ALFS,U = 5.00   CLRH/S = 0.090369   CTH/S = 0.090746
VKTS = 50.0   MTIP = 0.605   CXRH/S =-0.008278   CP/S = 0.002423

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-7.5		714.7		421.3		1456.1		-85.8	
RMS	355.4		300.1		326.5		279.4		146.1	
1/2 P-P	654.5		628.7		692.8		632.6		247.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-55.2	481.7	-7.2	346.8	39.1	314.2	35.3	197.8	19.9	199.1
2nd	62.9	-20.3	92.8	-49.8	157.4	-92	155.5	-97.8	30.1	10.9
3rd	-46.1	-71	-61.5	-71	-59.8	-98.7	-63.2	-99.7	15.9	-5.4
4th	11.2	-2.1	7.9	14.1	7.5	18.9	-4.7	11.7	-13.3	-12.2
5th	35.3	34.3	120.4	101.5	179.9	150.9	193.4	146.6	12.7	-5
6th	5.3	8.1	-1.4	40.1	-9.4	59.1	-23.9	40.8	7.7	2.4
7th	6.2	16.5	21	16	16.1	15.6	-14	8.2	2	-1.7
8th	17.2	6.8	31.9	29.7	18.5	17.6	-11.5	-19.8	-2	-8.6
9th	15.4	15.2	22.8	5.7	9.4	-4.6	-8.9	-12.3	0.5	-2.8
10th	4.4	0.7	8.5	-16.5	-1.1	-5.4	-3.2	10.7	1	-1.7
11th	21.6	-45.4	14.4	-81.9	-1.5	-13.4	-11.2	58.4	-5.8	-5.7
12th	-4.7	-11.5	-5	-31.6	-5.4	3.5	3.9	17.2	-7.9	1.9
13th	12.4	6.8	21.9	-11.2	29.3	6.8	-3.8	3.8	3.6	-2.9
14th	-3.9	5.2	-5.3	5	13.3	-0.5	-0.2	-4.6	-9.6	6.4
15th	0.4	2.3	1.9	12.2	15.1	-37.1	-5.6	-0.6	-1	7.7
16th	0.1	-1.9	-16	15.8	3.6	-4.9	-11.3	3.9	2	6.1
17th	1.2	0.9	-0.6	1.7	-6.6	-15.7	-0.2	4.9	2.6	-7.1
18th	4.2	-0.2	3.3	-1.4	-17.8	1	5	-1.6	1.9	-3.4
19th	1.4	2.6	2.7	-8.4	-14.9	17.4	11.9	-19.1	-7.8	-0.1
20th	11.3	-13.5	5.2	0.3	-21.3	44.7	26.4	5.3	-13.5	-2.7

D-156

RUN 29   PT 11

V/OR = 0.125	ALFS,U = 5.00	CLRH/S = 0.090685	CTH/S = 0.091056
VKTS = 50.0	MTIP = 0.605	CXRH/S = -0.008221	CP/S = 0.002439

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	186.5		10.7		1654		-71.8		-46.7	
RMS	72.8		46.8		682.3		68.5		31.8	
1/2 P-P	232.4		119.2		1145.6		162.7		121.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-7.9	43.6	-15.6	-1.1	76	-7.3	-21.7	-43.8	-10.9	-14.1
2nd	-9.1	6.9	-23.8	7.1	97	158.2	-66.6	5.2	-21.7	0.7
3rd	-10.2	-1.5	-11.6	3.5	-3.8	-166	-24.2	32.4	-0.3	5.1
4th	-9.4	-14.7	-9.2	-12	51	109.9	3.3	9.3	7.4	0.3
5th	-0.4	-18.4	-2.8	-12.5	-26.1	95.1	1.2	0.3	-0.7	-4.5
6th	-1.3	-14.9	-3.8	-11.8	-194.7	-7.7	-0.7	0.2	-1.5	-4.3
7th	-23.6	-1.2	-17.5	2	-73	68.2	-0.5	-2.9	-4.4	-1
8th	-16.9	-41.3	-18.2	-26.1	55.6	33.7	-2	-6.2	-5.1	-5.7
9th	-8.7	-5.3	-7	-1.4	-137.8	-143.7	-0.6	0.4	-0.5	0.8
10th	-11.3	15.7	-4.1	11.1	0.7	-52.9	1.1	6.6	0.2	-6
11th	-21	44.3	-1.8	27.9	3.2	478.8	0.5	15.7	-1.5	-12.9
12th	-12.1	25.1	-0.3	13.7	-21.3	-23.6	0.8	4.9	-1.5	-2.7
13th	3.2	16.8	5.2	7.4	302.8	196.7	0.2	1.1	0.1	1.4
14th	11.4	1.4	5.5	-2.4	0.2	23.8	-3.2	1.9	3.5	-1.2
15th	20.4	-25.3	1.7	-12.2	-84.4	-23.6	-2.5	15.3	2.6	-15.4
16th	18.3	-7.2	2.7	-5.5	-93.4	46.5	-4.1	8.5	0.8	-8.9
17th	1.8	-9.2	-0.7	-1.6	25.6	67.9	1.8	3.4	-3.5	-1.5
18th	-9.9	-4.2	-2.1	0.9	-81.4	48.2	3.2	0.3	2.9	3.3
19th	-17.1	7.7	0.6	1.5	91.7	-3.5	-0.4	0.1	11.7	-5.9
20th	-23.2	0.7	2.2	0.7	104.7	-7.8	-4.7	0.9	14.1	-9.4

D-157

RUN 29   PT 11

V/OR = 0.125 ALFS,U = 5.00 CLRH/S = 0.090685 CTH/S = 0.091056
VKTS = 50.0 MTIP = 0.605 CXRH/S = -0.008221 CP/S = 0.002439

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-6.4		714.1		420.5		1453.4		-86.3	
RMS	355.4		300.7		328.6		280.8		146.8	
1/2 P-P	658.6		647.1		705.5		635		247.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-55.9	481.1	-7.9	345.8	38.9	313.7	34.8	197.2	21	200
2nd	64.5	-19.1	94.2	-48.8	158.8	-90.5	155.3	-96.3	29.9	11.7
3rd	-47.4	-71.9	-63.3	-72.2	-61.4	-99.9	-65.9	-100.5	17.3	-5.8
4th	11.8	-0.5	9.3	16.6	9.1	22.6	-3.8	15.1	-13.4	-12
5th	34.7	35.6	121.9	102.4	182.8	152.9	196.6	147.1	14.5	-3.3
6th	5.7	7.9	-2.5	39.6	-11.6	58.2	-27.1	40.1	8.2	1.6
7th	3.9	16.5	20.8	15.8	17.6	14.7	-12.1	7.7	1.4	-0.7
8th	18.1	5.6	32.4	29.1	18.3	17.5	-12.4	-18.1	-1.4	-9
9th	14.6	14.5	21.7	5.3	9.2	-5.1	-8.6	-11.3	0.8	-3
10th	4.5	-0.8	7.3	-17.4	-1.1	-6	-2.6	12.6	1.2	-1.8
11th	18.6	-47.1	9.2	-84	-1.8	-13.4	-7.5	61	-5.2	-6.8
12th	-5.9	-9.9	-5.7	-29.7	-5.4	4.3	4.5	16.9	-7.1	1.5
13th	13.8	5.9	23.1	-12.9	30.6	4.8	-3.6	4.5	2.2	-4.7
14th	-3.8	4.9	-5.5	4.3	12.6	-2.7	0.1	-4.4	-10	5.9
15th	0.6	2	2.6	12.4	14.4	-39.3	-5	-0.2	-0.2	5.3
16th	-0.3	-1.6	-15.5	15.2	2.5	-7.5	-10.3	3.3	2.7	7
17th	1	0.8	-0.4	1.6	-7	-15.4	0.6	4.4	2.8	-7.5
18th	4	-0.3	3.7	-2.1	-17.9	0.7	6.2	-2.2	2.4	-2.9
19th	1.1	2.2	2.5	-8.6	-14.7	17.8	12.3	-19.2	-7.1	0.7
20th	12.7	-14.5	4.5	0	-23.6	47.7	25.3	6.2	-12.5	-3.5

RUN 29   PT 12

V/OR = 0.125   ALFS,U = 5.00   CLRH/S = 0.090533   CTH/S = 0.090904
VKTS = 50.0   MTIP = 0.604   CXRH/S = -0.008209   CP/S = 0.002455

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	186.5		10.6		698		-71.3		-39.3	
RMS	73.6		47.3		623.5		68.8		32	
1/2 P-P	234.3		120.2		1285.8		163.4		121.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-8.3	43.5	-15.8	-1	20.3	-78.2	-21.8	-44.2	-10.1	-15.1
2nd	-8.8	6.7	-23.6	6.8	91.3	-26.4	-66.7	4.2	-22.3	1.2
3rd	-9.7	-0.8	-11.3	4.2	-45.4	-4.5	-24.9	32.8	-1.4	5.6
4th	-10	-14.2	-9.8	-11.3	-53.2	6.7	3	9.2	6.7	0.1
5th	-2	-18.1	-4.5	-11.8	-24.4	62.4	2.3	0	-0.1	-4
6th	-1.5	-14.5	-3.9	-11.6	13	47.5	-0.4	0.1	-1	-4.6
7th	-25.2	0.3	-18.3	3.3	-0.3	1.9	-0.5	-3.1	-5.6	-0.1
8th	-19.9	-43.3	-20.6	-26.9	18.1	-47.8	-2.3	-6.5	-5.8	-5.7
9th	-8.4	-6.8	-7	-2.6	7.5	-19	-0.3	0.2	-0.3	0.3
10th	-12.5	14.9	-5	10.9	-25.1	15.3	1	6.9	0.2	-6.4
11th	-27.1	39.5	-6	26.6	103	610.1	-1.7	15.2	0.1	-11.9
12th	-12.9	23.4	-1	13	8.7	53.7	0.4	4.5	-1.2	-2.2
13th	2.6	17.4	5.1	7.7	212.2	197.5	0.2	0.8	0.2	1.9
14th	10.9	1.6	5.4	-2	2.6	5.2	-3.1	1.5	3.5	-1
15th	21.4	-24.6	2	-12.1	-2.1	-39.6	-2.9	14.9	2.8	-15.4
16th	20.1	-6.7	3.2	-5.5	-40.6	28.6	-4.7	8.2	1.3	-8.5
17th	3.2	-9.2	-0.3	-1.6	-45.4	32.2	1.4	3.4	-3.7	-2
18th	-9.8	-4.2	-2.3	1.1	-28.6	6.7	3.5	0.4	2.3	2.9
19th	-19.1	6.2	0.3	1.8	63.6	-11.2	0.2	0	12.3	-5.8
20th	-21.7	-1.3	2	0.9	158.4	19.8	-4.3	0.6	14.1	-8.3

D-159

RUN 29   PT 12

V/OR = 0.125   ALFS,U = 5.00   CLRH/S = 0.090533   CTH/S = 0.090904
VKTS = 50.0   MTIP = 0.604   CXRH/S = -0.008209   CP/S = 0.002455

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-5.6		712.8		419.4		1447.5		-86.6	
RMS	356.9		300.6		326.1		277.2		146.5	
1/2 P-P	649.7		631.9		696.1		645.2		251.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-66.2	482	-15.9	346.8	32.3	314.9	29.2	198.4	19.3	199.4
2nd	66.4	-20.9	95.3	-50.2	160	-91.8	155.4	-96	31.2	9.8
3rd	-47.4	-70.2	-63.8	-71.2	-62.1	-99.8	-67.7	-99.4	18.8	-4
4th	11	-0.9	7.1	17	6.1	22.7	-8	16.9	-12.8	-14.3
5th	38.1	32.8	121.9	95.9	181	142.7	192.1	139	14.1	-4.1
6th	6.3	8.3	-0.8	37.9	-8.8	55.4	-24.1	38.2	7.5	0.9
7th	3.6	14	21.8	14.6	19.1	16.4	-11.5	13.6	2.3	-0.6
8th	18.2	6.9	34.7	30.1	19.6	17.6	-14.5	-20.1	-3	-8.7
9th	14.9	12.7	22.1	5.2	9.4	-4.8	-7.8	-11.5	0.7	-5.1
10th	4.1	-1.3	8	-18.1	-1.1	-6.4	-2.7	13.1	1	-2.4
11th	22.9	-45	19.1	-81.5	-1.4	-13.7	-14.2	58.8	-5.2	-7.9
12th	-4.1	-11.5	-3.4	-31.2	-4.5	2.5	3.4	17.1	-7	0.4
13th	12.7	6	22.5	-13	29.5	5.7	-3	4.6	1.8	-3.8
14th	-4.7	4.9	-5.6	5.9	12.2	-0.8	0.7	-4.1	-9.6	5
15th	0.5	2.1	2	11.4	16.2	-40	-5.1	-0.8	0.5	6.7
16th	-0.1	-1.4	-15.5	16.4	6.2	-6.7	-10.9	3.7	2	7.2
17th	0.9	1.1	-0.5	1.7	-5	-16.1	0.3	4.6	1.6	-6.8
18th	4	0.5	5.1	-2.5	-17.4	-0.3	6.2	-2.9	2.8	-3.4
19th	2.6	3.2	4	-9	-18.8	17.8	13.3	-19.4	-5.7	-0.2
20th	12.4	-10.3	5.3	-0.1	-25.9	38.7	23	4.6	-11.7	-3.2

D-160

RUN 30   PT 5

V/OR = 0.125	ALFS,U = 10.01	CLRH/S = 0.063270	CTH/S = 0.064353
VKTS = 49.9	MTIP = 0.605	CXRH/S = -0.011772	CP/S = 0.000719

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	133.2		-26.2		1295.4		-84.8		-13.5	
RMS	27.2		32		534.3		44.6		14	
1/2 P-P	79.4		73.9		986.8		75.3		32.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-14.8	2.2	-13.4	-18.2	138.8	210.6	3.9	-28.4	-2.6	-7.2
2nd	-16.2	0.4	-26.8	4.9	53.3	48.9	-50.2	20.3	-14.8	6.2
3rd	2.6	-20.9	-5.3	-20.2	23.3	10.6	-10.7	-7	0.2	-2.3
4th	0.3	-13.1	-2.3	-11.3	3.4	-4.6	2.1	-1	2.8	-0.9
5th	1.8	-7.5	0.8	-8.7	-12.9	-33.9	0.4	1.6	-2	1.6
6th	4.6	-4.2	4	-4.6	-21.6	18.2	-2.6	0	-1.4	-0.9
7th	9.7	-0.5	6.9	-1.9	1.4	14.3	-0.7	0.6	2	-2.8
8th	-2.8	2	2.6	0.6	21.6	15.2	0.4	0.2	0	-1.4
9th	1.3	-1.7	0.8	-0.9	22.5	21.8	0.6	-0.7	-1	0.4
10th	1.5	-0.5	0.9	-0.9	28	7.6	1.2	-0.4	-1.1	0.2
11th	4.3	6.7	3.1	3.2	22.8	-9.5	2.4	2	-2	-2.1
12th	-1	0.9	-0.4	0.5	16.6	-16.6	0	0.3	-0.1	-0.5
13th	0.6	1.5	0.3	-0.2	-4	-28	-0.2	-0.5	0.4	0.4
14th	2.1	-0.7	0.7	-0.7	-5.2	-3.3	-0.6	0.2	0.4	-0.6
15th	4.8	2.1	1.8	-0.6	-19.4	-4.2	-2.5	0.1	1.5	0
16th	-0.2	6.3	1.1	1.7	-21.1	1.5	-1.3	-2.9	0.6	1.8
17th	-0.4	2.4	0.5	0.6	-6.7	28.8	-0.4	-1.1	0	-0.3
18th	0.4	1.1	0	-0.1	-9	8.2	-0.2	0.1	-0.6	-0.6
19th	-0.3	1.9	0.4	0.1	9	9.3	0	-0.2	-0.1	-1.1
20th	-1.8	-2.1	0.3	0.5	-5.1	6.7	-0.1	-0.4	1.5	0.4

D-161

RUN 30   PT 5

V/OR = 0.125   ALFS,U = 10.01   CLRH/S = 0.063270   CTH/S = 0.064353
VKTS = 49.9   MTIP = 0.605   CXRH/S = -0.011772   CP/S = 0.000719

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-69.5		675.6		390		1392		-17.6	
RMS	235.2		183.5		191.3		167.3		86.1	
1/2 P-P	394.2		376		388.5		327.2		171.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-248.3	205.1	-175.5	150.1	-133.8	144.2	-100.4	86	-3.5	113.2
2nd	52.1	-20.8	72.6	-32.9	124.9	-67.2	116.7	-72.7	11.3	-10.8
3rd	0.9	52.1	-0.9	55	8.1	49.4	2	22.5	28.5	-13.6
4th	7.5	-2.6	-0.2	-12.4	-0.9	-26.8	-9.1	-41.5	1.3	-17.2
5th	6.2	8.5	31.2	-45.1	53	-84.8	57.3	-113.4	-5.8	12.5
6th	2.4	9.8	-2.4	7.6	-4.2	2.8	-4.3	-8.8	4.8	1.9
7th	4.7	18	-2.5	6.7	-5.2	-5.1	0.7	-16.6	2.7	-2.8
8th	-1.8	2.1	-1.5	1.1	-0.8	0	3.7	-1.3	-0.5	-2.3
9th	-11	-4.9	-7.3	0	-0.7	0.4	8.5	1.3	-2.9	-1.7
10th	6	-0.5	3.5	-0.7	0.2	-0.2	-1.7	-1.2	-3.8	0.1
11th	8	6.9	4.1	-0.1	3.6	2.5	-1.2	0.7	2.7	-1.2
12th	3.7	2.5	6.5	0.4	2.9	1	-2.1	0.4	-2.1	-0.3
13th	-5.5	-11.8	-16.6	-18.1	-10.1	-12.6	3.4	4.6	1.2	4.2
14th	-1.1	-0.2	-0.3	-1.3	3.1	-3.3	0	0.7	-2.7	-2.5
15th	0.5	0.5	-5.4	8.9	2.3	9.2	-1.1	0.1	-3.7	6.9
16th	-0.6	-1.4	-0.9	-4.5	4.7	5.5	0.2	-1.8	-2.2	-2.4
17th	-2	3.1	-1.8	-5.2	1.2	-4.7	-0.8	-3.4	-0.9	-1.8
18th	-1	1.2	-0.5	0.1	1.7	0.5	-1.1	-1.4	-1.3	1.1
19th	-3.8	-2.3	2.8	-2.3	10	-0.6	4.3	-3.2	-0.4	-0.4
20th	-0.6	-1.7	1.3	0.4	-0.3	2.2	4.4	3.2	0.4	-2

D-162

RUN 30   PT 6

V/OR = 0.125   ALFS,U = 10.01   CLRH/S = 0.069208   CTH/S = 0.070391
VKTS = 49.9   MTIP = 0.606   CXRH/S =-0.012867   CP/S = 0.000786

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	141.9		-20.9		2438		-86.9		-39.5	
RMS	36.3		36.2		283.9		48		16	
1/2 P-P	115.9		92.7		481.6		82.3		46.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-21.1	10.6	-17.2	-15.4	-24.5	39	-3.3	-28	-4.5	-7.4
2nd	-16.2	1.7	-27.9	5.1	14.5	21.6	-54.7	20.8	-15.3	6.3
3rd	2.4	-21.3	-7.1	-20.2	-33.5	10.2	-13.9	-6.6	1.2	-2.7
4th	-0.4	-14.6	-3.4	-12.1	-15.2	-25.4	2.2	-0.9	3.9	-1.6
5th	-0.7	-13.7	-2.6	-13.8	-17.8	-14	2.7	6	-1.1	1.9
6th	5.9	-8.4	4.2	-8	-8.3	-9.1	-2.6	2.4	-0.9	-2.5
7th	14.1	-8.1	8.7	-8	-31.8	-0.7	-0.2	1.6	2.5	-5.6
8th	15	0.4	11.2	-2.5	3.8	-16.4	2	0.4	2.2	-2.7
9th	5.3	-0.6	3.7	-1.5	0.4	-4.9	1.7	-0.4	-0.7	0.4
10th	4.4	0.9	2.7	-0.6	-1	-4.1	1.8	-0.2	-0.7	0.4
11th	7.2	6.1	4.4	2.8	19.3	-22.5	2.3	1.9	-1.3	-1.8
12th	2.8	-0.3	0.9	-0.5	3.8	11.8	-0.5	0.2	0.8	-0.3
13th	4.8	0.2	1.3	-1.3	6.9	-33.7	-1.5	0	1.6	0
14th	6.7	-1.7	1.7	-1.9	18.7	6.6	-2	1.5	2.2	-1.2
15th	10	3	3.4	-1.5	8.7	1	-4.8	1.1	4.4	-0.1
16th	0.3	8.3	1.8	2.1	13.5	2.6	-2	-3.4	2	2.5
17th	-1	2.4	0.3	0.2	9.2	15.9	-0.2	-0.8	0.4	-0.3
18th	-1.5	0.9	0	0.4	6.5	18.8	0.3	-0.3	0.6	-0.1
19th	-4.5	1.1	0.4	0.3	12.9	3	0.3	-0.4	2.3	-1.2
20th	-1.6	-5.3	-0.2	0.6	8	15.8	0.1	-0.6	2.3	2.8

D-163

RUN 30   PT 6

V/OR = 0.125 ALFS,U = 10.01 CLRH/S = 0.069208 CTH/S = 0.070391
VKTS = 49.9 MTIP = 0.606 CXRH/S = -0.012867 CP/S = 0.000786

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-76.2		673		388		1399.5		-29.5	
RMS	287.6		217.5		215.7		180.9		100.5	
1/2 P-P	490.3		439.4		460.1		372.7		198	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-281.7	276.7	-193.9	200.2	-141.1	184.1	-99.6	109.1	-7.5	132
2nd	57.2	-21.4	78.6	-36.4	134.4	-72.5	126.5	-78.6	18	-10.4
3rd	27	60.7	22.8	58.7	33.2	51.1	20.2	22.1	31	-18.1
4th	6.1	-4.7	-4.2	-15.9	-4.5	-32.9	-15.7	-49	-0.7	-21.6
5th	9.3	14	27.7	-43.8	45.3	-86.5	42	-121.5	-6.3	10
6th	6.2	12.3	-0.3	11.4	-3.3	7.8	-4.9	-7.5	9.2	-0.3
7th	11.4	15.2	-2.8	11	-9	2.1	-4.7	-14.9	2.4	-3.6
8th	-8.5	5.2	-12.3	5.5	-4.5	1	15.7	-5.8	1.7	-1.8
9th	-12.1	1.3	-10.1	3.6	-3	1.8	10.3	-2	-1.3	1.2
10th	3.4	-1	-0.6	-1.1	0	-0.1	2.1	-0.4	-0.2	-0.7
11th	6.8	-0.1	-0.6	-4.7	3.3	-0.6	1.5	3.7	3.2	-4.8
12th	-3	0.4	-4.6	2.7	-0.7	0.7	2.3	-0.5	-2.4	-0.3
13th	-16.6	-6.3	-35.2	-1	-20.9	-3.6	8.2	0.6	0.7	6.4
14th	-0.8	0.3	-4.6	2.4	4.5	-4.4	0	0.2	-1.7	2.5
15th	-0.9	-0.7	-2.7	9.4	15	7	-1.2	-0.9	-0.2	10.7
16th	-2.4	-0.3	-1	-4.9	7.5	6.5	0.7	-2.6	-1.6	-4.3
17th	1.6	3.3	-3	-2.4	-3.8	-0.6	-1.2	-3.2	-3.8	0.6
18th	-0.2	0.3	-0.5	-1.5	-1.1	0.1	0.4	-1.5	-1.2	-1.2
19th	-1.6	-2.3	1.5	-1.6	-1.1	5.7	5.2	-2.6	-2.2	-2.8
20th	5.4	0.8	0.8	1.7	-12.2	1.8	-0.1	8.2	2.6	-2.2

D-164

RUN 30   PT 7

V/OR = 0.125   ALFS,U = 10.01   CLRH/S = 0.078710   CTH/S = 0.080061
VKTS = 49.9   MTIP = 0.605   CXRH/S =-0.014665   CP/S = 0.000946

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	158		-10.9		2520.6		-89.4		-31.4	
RMS	46.7		42.6		195.9		54.7		18.3	
1/2 P-P	156.2		119.5		701.9		96.9		50.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-24.6	18.6	-20.1	-13.7	-15	52.4	-13.9	-26.3	-7.1	-7.1
2nd	-15.7	0.8	-29.6	3.9	-39	39	-61.2	23.5	-16.5	6.7
3rd	-1.1	-24.7	-12.1	-21.3	18	17.4	-19.6	-2.3	2.1	-3.3
4th	-1.3	-15.6	-5.1	-13.2	-8.8	12.5	2.3	-0.5	4.8	-2.6
5th	-7.5	-18.9	-10.8	-18.2	-9.1	12.5	10.6	10.3	1.1	.2
6th	8.9	-17.1	5	-14.7	11.6	6.6	-1.9	5.3	-0.6	-3.6
7th	16.2	-17.5	9.6	-14.9	-21	16	-0.1	2.1	3	-6.8
8th	15.3	-0.5	10.9	-3.6	21.6	-3.8	2.4	-0.5	2.2	-1.1
9th	4.2	-0.9	2.1	-1.9	-9.3	15.2	1.3	-1.1	-0.2	1.9
10th	0.9	-2.5	0.4	-1.6	10.6	-16	-0.1	-1.7	1.7	1.9
11th	6	-21.5	-0.2	-11.5	5.7	21.6	-1	-7.1	1.9	5.5
12th	6.3	-1.2	2.4	-2	-0.5	-11.5	-0.3	-1	0.5	0.7
13th	5.5	-0.4	1.3	-0.3	21.8	9.7	-1.3	0.6	1.3	0
14th	4.6	0.6	1.7	-0.2	-16.5	-8.6	-1.8	0.2	1.7	0.6
15th	0.1	13.6	2.1	3.4	19.9	-5.6	-2.8	-5.5	2.5	5.9
16th	-8	4.8	-1.4	3.1	-13.7	-1.4	2.7	-3.8	-1.1	3.3
17th	-3.6	0.3	-0.8	0.4	8.5	-19.1	1.5	-0.6	-0.3	0.6
18th	-2.2	0.6	0	0.8	1.1	3.4	0.8	-0.6	0.4	0.3
19th	-1.1	-1.3	-0.1	0.6	-9.8	-20.5	0.6	-0.4	1	0.8
20th	5	-3.6	-0.6	-0.2	8.8	0.2	0.7	-0.1	-1.2	2.3

RUN 30   PT 7

V/OR = 0.125   ALFS,U = 10.01   CLRH/S = 0.078710   CTH/S = 0.080061
VKTS = 49.9   MTIP = 0.605   CXRH/S = -0.014665   CP/S = 0.000946

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-73		669.5		389.9		1406		-43.5	
RMS	322.3		237.7		235.2		192.9		114.5	
1/2 P-P	530.3		479.3		484.7		383.1		226.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-236.6	374.3	-151.1	268.6	-98.3	237.9	-61.6	138.4	-3.1	151.3
2nd	60.3	-40.7	86.6	-55.4	149.3	-92.1	144.7	-98.1	22.1	-14.1
3rd	65	23.8	55.3	22.2	68.1	13.9	45.7	-11.8	29.6	-23.4
4th	8.9	2.3	-4.7	-7.8	-7	-25.3	-21.4	-45.3	0.7	-18.3
5th	13.1	23.8	-7.8	-31.1	-18.4	-72.2	-40.7	-112.6	-0.9	9.8
6th	10.2	6.5	-0.8	22.6	-7.4	28.2	-9.9	11.2	9	-7.9
7th	-0.6	9.1	-6.1	15.8	-4.6	8.6	9	-15.4	-3.2	-4.7
8th	-4.3	8.9	-10	8.3	-5.1	3.7	13.2	-6.6	2.1	2
9th	7.9	12.3	3.4	8.2	-0.9	3.8	-1.7	-5.4	3.5	4.2
10th	2.3	-8.4	1.4	-4.8	-0.5	-1.7	0.8	2.5	1.1	-2.2
11th	-9.8	-1.5	-7.7	17.8	-3.2	-3.7	5.6	-12.8	2.6	-4.3
12th	-8	-7	-14.9	-2.9	-4.1	-4.4	7	1	0.6	4.9
13th	0.8	7.7	1.6	17.2	6.3	10.5	-1	-3.7	11.7	1
14th	-0.4	-1.2	-2	-1.1	4.3	-3.2	0.8	0.3	-4	-3
15th	-2	1.5	-9	-5.8	-0.2	12	-0.1	-3.7	-4.2	8.5
16th	0.5	1.7	6	-11.9	-1.9	-2.3	3.5	-3.6	3.1	-8.7
17th	-2.2	-2.5	3.7	-0.7	0.3	2.2	3.2	-1.7	-3.2	-1.7
18th	-1.6	2.6	0.6	-5.2	-1.9	-6.3	1.6	-4.4	-1.4	-4.8
19th	8.6	-4.8	-1.8	4.7	-10.4	13.7	-3.5	8.6	-0.4	-4.2
20th	-13.5	-1.9	5.2	1.9	21.8	-13.9	11.8	1.9	2.8	4.2

D-166

RUN 30   PT 8

V/OR = 0.124   ALFS,U = 10.01   CLRH/S = 0.088806   CTH/S = 0.090345
VKTS = 49.9   MTIP = 0.606   CXRH/S = -0.016632   CP/S = 0.001194

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	175.8		-1.2		2147.9		-93.6		-41.4	
RMS	55.3		47.3		462.3		62.1		21.8	
1/2 P-P	158.8		128.8		821.6		122.3		68.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-26.8	26.1	-23	-12.4	80.9	20.2	-24.2	-25	-9.6	-8.5
2nd	-17	0.3	-32.4	4	69	76.2	-65.7	28.3	-17.5	5.4
3rd	-8.9	-25.1	-18.8	-19.1	-39.4	-4	-23.6	5.4	2.2	-4.6
4th	-4	-15.3	-8.5	-12.2	-9.6	6.7	3.3	-0.5	4	-4.2
5th	-17.8	-16.2	-21	-12.8	37.2	-36.4	19.2	4.4	2	0.4
6th	3.7	-20.5	0.9	-16.7	-16.3	-60.8	-0.3	5.2	-0.5	-3
7th	8.1	-16.1	3.9	-13.4	29	11.6	0.1	0.5	3	-5.7
8th	13.5	-4.7	8.6	-5.9	-12.8	20.5	1.6	-2.3	3.1	-0.9
9th	2	-3.5	0.5	-2.8	-43.1	28.1	-0.4	-1.8	1.6	1.4
10th	-7	0.5	-3.9	0.6	-32.7	25	-3.5	0.4	3.9	-0.5
11th	-18.3	-34.6	-15.6	-14.8	-49.6	180.7	-10.7	-8.9	8.5	6.8
12th	4.9	-4.7	0.9	-3	18.9	40.1	-0.5	-1.5	0.3	1.5
13th	2.8	1.3	1.6	-0.1	29	36.3	-0.3	-1	0.8	2.2
14th	4.1	6.5	2.2	0.6	30.2	-13	-2.4	-2.4	3.1	3.6
15th	3.1	20.8	4.2	5.4	-2.6	-5.6	-5.1	-8	5.5	8.4
16th	-8.8	6.4	-1.4	3.7	2.5	29.4	2.7	-5.3	-1.4	4
17th	-1.5	1.2	-0.4	0.7	34	-1.1	0.5	-1.1	-1.2	0.6
18th	0.4	-1.3	-0.4	0.2	-9.9	51.2	0.4	0.1	-1.4	0.1
19th	0.9	-5.8	-0.4	0	19.4	-3.2	0.9	0.3	0.5	1
20th	7.6	-1.5	-1	-0.8	-18.4	4.3	1.3	0.3	-4	0.1

D-167

RUN 30 PT 8

V/OR = 0.124
VKTS = 49.9
ALFS,U = 10.01
MTIP = 0.606
CLRH/S = 0.088806
CXRH/S = -0.016632
CTH/S = 0.090345
CP/S = 0.001194

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-64.3		677.1		398.7		1428.4		-58.6	
RMS	336.6		248.9		248.1		195.8		124.4	
1/2 P-P	542.6		495.9		477		400.3		221	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-170.9	427.7	-90.6	303.9	-37.5	268.3	-11.7	153.5	0.8	168
2nd	60.3	-53.5	92.9	-71.8	163.8	-113.4	161.4	-122.4	22.1	-17.3
3rd	55	-26.4	45.4	-24.8	62.5	-37.2	39.7	-56.6	21.9	-25.7
4th	19.8	-6.5	0.1	-17.8	-4.4	-37.1	-26.5	-58.3	4.7	-14.5
5th	43.3	29.2	29.4	23	23.3	19	-13.3	-3.5	3.5	0.1
6th	7.4	7	9.7	19.7	12.7	22.2	9.5	0.8	3.9	-6.3
7th	-9.9	14.2	-3.5	16.1	3.3	5.3	12.7	-21.7	-2	2
8th	2	8.6	-4.7	12	-3.8	6.6	8.2	-8.9	5.6	-0.6
9th	4.9	-8.7	2.7	-0.8	0.3	4	-0.1	4.7	-0.3	0.1
10th	-5.6	-7.6	1.7	-6.7	-1	-0.3	0.3	6.9	2	4.8
11th	14.5	17.9	38.8	33.5	4	0.8	-23.6	-23.5	4	-4.6
12th	-12.3	-5.9	-16.9	3.3	-7.3	-2.9	7.6	-2	0.2	1.4
13th	0.4	-8.5	-3.8	-16.7	1.1	-12.1	2.3	5.4	1.6	1.2
14th	-1.3	-1.3	-7.5	-7.5	2.4	-1.1	2.6	-1.1	-3.2	3.8
15th	-2.5	0.2	-2.5	-12.2	17.9	14.6	1.3	-4.9	3	6.9
16th	0.8	-0.2	0.3	-9.9	-8.2	4.9	2.9	-4.2	5.5	-9.5
17th	-0.6	0	1.8	0.4	1.5	2.4	1.4	-1.9	0.7	-3.6
18th	0.8	1.3	-3	1.3	-6.1	-2.4	-2.9	-0.1	3.4	-0.3
19th	-2.9	1.8	2.6	3.2	-0.7	-8.9	3.2	4.3	1.1	-4
20th	-8.6	0.4	1.4	3.6	15.3	-13	-0.4	1.5	3.4	7

D-168

RUN 30 PT 9

V/OR = 0.125 ALFS,U = 10.01 CLRH/S = 0.097995 CTH/S = 0.099661
VKTS = 49.9 MTIP = 0.605 CXRH/S = -0.018167 CP/S = 0.001506

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	192		9.1		2549		-96.4		-37.9	
RMS	55.3		46.7		144.3		65.6		21.7	
1/2 P-P	144.6		121.5		488.5		125.4		63.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-21.6	32.6	-22.5	-11.2	-6.1	39.9	-31.1	-24.8	-9.9	-10
2nd	-17.2	2.6	-33.6	5.7	0.1	0.8	-67.5	32.6	-17.2	4.6
3rd	-15.1	-24.7	-23.8	-17.3	-4.2	-0.9	-26.4	7.7	2.2	-6.5
4th	-6.6	-12.3	-10.5	-9.6	-18.2	5.1	4.6	-2.5	3.7	-5.2
5th	-11.5	-13	-15.1	-9.6	-4.1	-2	14.1	1.5	-0.2	-0.1
6th	6.9	-15.5	4	-13.5	-27.2	-1.2	-1.9	3.5	0.1	-2.5
7th	8.8	-10	5.2	-9.2	-8.9	20.4	-1.1	-0.3	3.6	-4.6
8th	11.6	-2.9	7.5	-3.8	-2	-1.4	0.8	-2.3	2.4	-0.2
9th	-0.3	-3.3	-0.5	-2.5	-6.4	6.3	-1	-1.3	1.1	1
10th	-9.4	2.9	-5.9	2.3	-11.7	1.1	-4.1	-1.5	3.7	-1.5
11th	-29.1	-36	-22	-13.5	-7.1	24.5	-13.7	-8.4	10.1	6.4
12th	3.7	-3.1	0.8	-1.9	8.7	3	0.1	-1.6	-0.6	1.6
13th	0.2	4.7	0.9	0.9	2.2	4	0	-2	0	3.2
14th	0	11.1	1.4	3.1	-4.7	0.1	-1.4	-3.6	1.2	5.3
15th	-4.2	15.8	1.3	6	0.4	13	-0.4	-6.7	0.4	7.1
16th	-5.7	0.3	-2.5	1.8	7.6	3.6	3.9	-1.2	-3.5	0.9
17th	3.4	-1.2	0.1	-0.3	6.3	1	0	1.2	-1.6	-0.9
18th	4.4	-2.6	0	-0.8	2.3	7.3	-0.4	1.6	-1.7	-1
19th	2.8	-6.5	-0.4	-0.5	5.6	0.8	0.8	1.2	1.4	0.1
20th	6.3	-5	-0.6	-0.6	0.9	3.7	0.9	0.3	-0.9	0.1

D-169

RUN 30   PT 9

V/OR = 0.125   ALFS,U = 10.01   CLRH/S = 0.097995   CTH/S = 0.099661
VKTS = 49.9   MTIP = 0.605   CXRH/S = -0.018167   CP/S = 0.001506

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-46		684.4		411.5		1440.1		-71.7	
RMS	350.3		264		274		223.6		134.3	
1/2 P-P	549.7		505.8		526		476		239	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-133.9	458.9	-54.8	323.8	7.5	286.3	29.2	160.9	10.9	184.3
2nd	72.3	-56.1	107.2	-80.5	184.8	-128.5	180.7	-141.4	19.3	-11.1
3rd	32.9	-39.6	27.7	-41.8	50.6	-63.3	28.5	-83.1	16.3	-24.8
4th	23.4	-25.5	-2.2	-41.4	-9.1	-64.8	-36.4	-82.2	0.1	-8.5
5th	50.6	20.8	52.5	18.1	59.2	17.9	28.9	-0.1	8	2.4
6th	0.7	3.9	1.7	18.2	5.1	23.2	4.6	6.8	6.3	1.5
7th	-14.8	21.2	-6.8	14.8	1.3	-0.4	12.4	-24.8	1.8	-2.4
8th	-1.5	1.6	-5	8.3	-2.2	7.5	10	-1.5	3.1	0.9
9th	1.6	-6.9	3.1	-0.5	-0.4	4.3	-1.3	5.7	0.4	-1.2
10th	-9.9	-4.6	-0.8	-7.4	-1.3	-0.9	4	6.6	2.5	5.2
11th	30.2	12	58.3	23.4	6	-2	-38.7	-18.5	2.3	-7.9
12th	-15.6	0.6	-18.6	10.5	-9.7	3.5	6.9	-2.6	-1.9	0.4
13th	-1.7	-4	-8	-7.6	-4.6	-0.6	4.3	2.9	-0.6	4.3
14th	-2.5	-1.4	-9.6	-7.1	-2.7	7	3.6	-1.3	-0.4	6.5
15th	-2	1.5	0.3	-11.2	5.7	12.6	3.1	-3.4	1.6	-1.2
16th	2.1	0.6	0.6	-1.4	-9.7	2.4	0.2	-1.2	10.4	-2.7
17th	-3.9	1.9	2.6	1.1	9.4	-6.4	0.6	-0.1	3.7	-2.3
18th	-0.9	-2.5	-2.3	9.8	3.2	4.9	-2	7.4	3.2	2
19th	-6.7	5.5	4.1	1.8	6.6	-19.4	4.7	0	3.9	-3.1
20th	-3	7.7	1.3	3.2	2.6	-19.1	-5.5	0.4	2.9	1.9

D-170

RUN 30   PT 10

V/OR = 0.124   ALFS,U = 10.01   CLRH/S = 0.107978   CTH/S = 0.109770
VKTS = 49.9   MTIP = 0.607   CXRH/S =-0.019765   CP/S = 0.002004

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	212.2		20.9		2491.1		-95.6		-45.6	
RMS	66.4		50.4		266.5		65.3		24.5	
1/2 P-P	182.5		138		892.2		143.6		64.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-16.1	39.6	-22.3	-9.4	-97.6	-11.5	-34.3	-27.8	-14.6	-11.6
2nd	-15.9	5.6	-33.4	8	-63.8	-12.3	-64.9	29.9	-18.4	4.4
3rd	-20.5	-18.7	-25.9	-11.7	-57.4	-53.2	-26.2	6.4	1.7	-5.7
4th	-8	-5.8	-10.1	-4.9	-52.9	11.9	3.7	-4.9	2.1	-3.1
5th	3.5	-13	-0.7	-12.1	-65.1	17.3	1.2	4.4	-3.1	2.1
6th	13.4	-10.3	10	-12.2	-49.8	-18.2	-5.8	2.6	0.8	-0.3
7th	9.9	-9	5.5	-8.8	-73.7	-30.4	-1.1	-1.4	4.1	-2.8
8th	5.5	-18.3	0.6	-13.2	-66.3	-20.9	0.1	-4.4	1	-1.2
9th	-10.9	-8.5	-8.4	-4.2	-20.2	-17.4	-3.3	-2.5	1	1
10th	-24.9	-0.5	-15.7	3.9	-0.5	0.2	-8.7	2.1	5.4	-2
11th	-41.6	-48	-31	-16.1	-57.8	5.8	-17.6	-10	11.2	7.8
12th	-3.6	-3.5	-2.5	-0.1	-52.8	24.9	-0.1	-0.7	-0.9	1.2
13th	-6.7	9.7	-0.7	4.3	-61.4	39.9	0.9	-1.3	-0.7	1.5
14th	-7.1	14.3	1	5.9	-26.6	-26.1	1.7	-3.5	-1.9	2.8
15th	0.6	8.2	1.5	2.8	-6.9	-16.3	0	-1.5	-1.4	0
16th	6.6	5.2	0.8	-0.8	-20.7	-16.3	-2.4	0.7	-1.3	-2.8
17th	10.9	5.8	1.8	-0.7	28.4	14.7	-4.6	1	-0.4	-3.2
18th	8.3	1.4	0.8	-2	-0.1	24.9	-3	3.3	0.5	-3.5
19th	0.5	-3	0.3	-0.8	-32.9	13.2	-0.1	2.4	5.1	-1.8
20th	5.3	-10.5	0	1	-45.3	33.6	0.2	-1.1	3.4	6.1

D-171

RUN 30   PT 10

V/OR = 0.124
VKTS = 49.9

ALFS,U = 10.01
MTIP = 0.607

CLRH/S = 0.107978
CXRH/S = -0.019765

CTH/S = 0.109770
CP/S = 0.002004

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-16.2		707.1		415.9		1468.4		-87.3	
RMS	371.9		292.7		310.2		265.9		150.6	
1/2 P-P	587.7		565.7		599.6		592		266	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-93.5	497.7	-13.8	349.1	56.6	309.2	74.6	170.4	20.8	206.3
2nd	91.9	-56.1	127.5	-89.4	205.7	-142.7	197.3	-158.4	19.4	0
3rd	-10.4	-25.1	-9.8	-39.3	13.1	-73.1	-3.8	-99.1	9.3	-15.6
4th	1.7	-38.2	-36.2	-58.5	-52.3	-86.4	-79	-101.2	-4.5	4.2
5th	50	15.9	76	-6.9	101.9	-18.8	87.6	-48.1	17.6	11.8
6th	-10.1	11.5	-2.4	22.4	6.4	26.5	14.3	7.9	10.3	8.3
7th	-6.7	31	-5.4	21.7	-4	3.1	1	-23.9	7.3	-1.4
8th	2.7	3.3	3.4	18.9	1.6	11.9	3	-8.8	6	-5.9
9th	12.3	4.7	19.2	7.4	2.6	6.1	-15.6	-1.3	0.1	-3.6
10th	2.8	-10.8	19.1	-13.6	2.3	-3.6	-10	8.9	3	-0.6
11th	38.3	19.9	81.9	37.3	9.6	-1.3	-54.6	-28.8	3.4	-15.8
12th	20.2	14.8	33.9	11.6	15.8	5.8	-13.9	-1.8	-1	-5.3
13th	-3.2	9	4.3	11	-0.4	20.3	3.3	-2.4	-6.8	-1.4
14th	-3.8	1.1	-1.5	-7.2	-2.1	13.1	6.1	-1.6	-11.1	3.7
15th	-1.9	1.5	-3.4	0.5	4.6	9.4	2	-2.2	-1.9	0.6
16th	-0.9	-1	-10.8	3.3	2.4	5.3	-5.2	-3.5	2.1	15.8
17th	-4.7	1.8	-7.9	-0.3	17.4	-4.1	-5.4	-1.8	8.3	6
18th	-4.9	-0.8	-6.4	9.4	12.1	3.6	-3.8	3.4	-1.1	8
19th	-9.1	11.1	3	-2.4	4.8	-22.2	6.5	-9.9	3.4	3
20th	2.5	13.2	-0.4	-0.1	-12.9	-28.1	-7.9	4.6	2.6	-7.5

D-172

RUN 30   PT 11

V/OR = 0.125   ALFS,U = 10.01   CLRH/S = 0.119249   CTH/S = 0.121272
VKTS = 49.9   MTIP = 0.604   CXRH/S = -0.022083   CP/S = 0.002549

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	233.8		34.2		2379.8		-91.2		-35.1	
RMS	65		49.9		388.5		61		24	
1/2 P-P	179.8		116.2		906.9		139.2		63.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-13.7	46.7	-22.4	-8.1	-18.8	-20.7	-31	-36.8	-14.7	-11.8
2nd	-14	8.5	-32.2	10	-101.1	10.8	-60.3	19.4	-19.5	1.1
3rd	-22.8	-9.4	-24	-6.4	-9.3	-121.8	-22.5	-2.7	4.3	-6.6
4th	-6.2	-0.5	-6	-1.4	4.2	-10.6	0.9	-7.2	0.2	-3.4
5th	15.3	-17.5	10.9	-18.8	2.8	-48.4	-11.8	10.1	-5.4	4.5
6th	12.6	-11.7	8.6	-15	-0.1	-19.3	-7.9	4.6	1.3	-1.4
7th	5.3	-16.1	-0.6	-12.7	35.1	-41	1.2	0.4	1.7	-4.2
8th	-14	-33.4	-16.3	-21	39.2	53.3	0.7	-4.1	-6.4	-3.8
9th	-23.2	-6.5	-17.3	0.6	13.3	-24.9	-2.1	-2	-2.1	2.4
10th	-29.4	2	-17	7	59.4	7.8	-6.2	1.1	1.5	-1.3
11th	-18.8	-8.1	-11	1	-133.7	2.7	-3.8	-2.2	1.5	1.5
12th	-14.7	11.2	-3.6	7.4	1.9	20.4	1	1.7	-2.5	-0.5
13th	-10.6	13.3	0	6.3	11	38.3	3.2	1.2	-2.6	-1.2
14th	-5.7	10.5	0.4	4.3	8.3	-20.7	2.1	0.5	-2.2	-1.7
15th	6.1	4.7	2.3	0.3	26.5	15.4	-2.6	2	1.4	-3.9
16th	0.6	12.4	2.1	2.3	14.9	-16.9	-3.8	-3.4	2.2	-0.4
17th	-3.8	12.7	0.1	3.3	34.6	-17.1	-2.5	-4.2	0.8	-0.3
18th	-2.5	9.4	1	0.6	-11.8	-5.5	-2.8	-1.1	3.5	-0.4
19th	1	2	0.3	-0.1	13.3	-9.3	-1.1	0.3	4.7	2.2
20th	13.6	4.7	-1.1	-1.1	6.8	43.1	1.6	0	-6.2	3.2

D-173

RUN 30   PT 11

V/OR = 0.125   ALFS,U = 10.01   CLRH/S = 0.119249   CTH/S = 0.121272
VKTS = 49.9   MTIP = 0.604   CXRH/S =-0.022083   CP/S = 0.002549

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	9.1		719.1		439.1		1483.6		-101.7	
RMS	403.1		326.5		345.4		296.2		166.5	
1/2 P-P	676.3		664.5		676		677.1		283.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-8.1	543.7	60.9	381.7	129.1	341.9	133.6	188.1	32.1	227.7
2nd	94.2	-60.6	132.5	-99	213.1	-154.8	204.1	-172.3	17.3	12.7
3rd	-44.1	17.3	-36.7	-6	-19.6	-44.5	-31.8	-81.3	-4	-5.7
4th	-33.3	-39.7	-69.8	-57.8	-89.5	-85.1	-107.5	-98.2	-11.7	12.5
5th	30.8	18.6	61.7	-14.4	86.4	-35.2	80.9	-79.9	24.1	14.7
6th	-10	22	2.1	24.5	10	24	14.8	-1.5	9.7	4.1
7th	21.2	22.1	-0.1	20.5	-21.9	8.7	-37.4	-15.5	5.8	0.6
8th	6.5	3.4	11.4	27.9	-3.8	21.1	-21.9	-6.9	0.8	-10.2
9th	32	4.7	33.1	8.6	-0.2	14.1	-36.1	11.3	-3.1	-0.6
10th	-41	1.4	-5.7	6.4	-3.4	5.9	16.5	-3.1	-2.3	-4.5
11th	20.2	10.7	43.4	6.6	12.4	-1.5	-21.7	-7.7	-0.7	-12.3
12th	84.7	-8.3	107	-58.6	55.6	-25.5	-40.7	20.3	-8.8	-3
13th	13.9	15.7	37.2	-0.7	20.2	13.4	-4.6	-1.2	-12.5	-1.8
14th	-1	1.4	6.3	-3.5	5.2	12.8	3.6	1.6	-5.3	9.2
15th	-5.3	-6.3	-10.6	9.8	7.3	14.5	2.9	2.4	5.1	3.6
16th	-4.3	-5.7	-4.3	-10	13.9	8.6	5.4	-6.1	-4	6.7
17th	0.8	-6.7	-0.7	-5	7.8	21.5	-0.5	-4.7	5.4	2.6
18th	3.1	3.6	-3.4	-11.9	-0.6	1	-4.6	-10.9	-4.5	1.4
19th	6.1	-1.8	-3.3	0.3	-3.3	7.4	-5.8	5.2	-3.6	2
20th	4.8	11	-10.3	2.7	-2.4	-14.5	-31.9	-2.5	4.5	4.2

D-174

RUN 63   PT 19

V/OR = 0.151	ALFS,U = -15.00	CTH/S = 0.030681
VKTS = 60.3	MTIP = 0.604	CP/S = 0.002495
	CLRH/S = 0.029801	
	CXRH/S = 0.007322	

HARMONIC	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	106.6		-11.2		333.8		-27.2		-35	
RMS	12.6		10.3		19.9		34.5		10.5	
1/2 P-P	31.5		21.6		32		59.3		22.8	
	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	6.5	11.6	4	-9	6.1	-25.5	0.4	-36.6	-2.3	-9.7
2nd	-2.2	-0.3	-4.5	-0.2	-7.9	2.5	-23.7	11.5	-8.3	-4.1
3rd	6.1	-0.3	5.4	-1.4	3.6	0.7	-0.9	17.4	-0.9	3.6
4th	0.5	-3.8	0.8	-3.6	0.2	-2.5	0.5	3.6	2.7	0.3
5th	3.4	2	4.1	1.2	3.1	1.9	-2.9	-2.7	-1.1	-1.1
6th	0.3	1.6	0.5	1.1	0.1	1.2	0.4	-1.8	-1	0.2
7th	2.3	1.9	2	0.5	0.6	0.2	-0.1	0	0.6	-0.1
8th	0.5	4.4	0.9	2.8	0.2	1.2	0.3	0.3	0.9	0.2
9th	0.2	0.4	0.3	-0.1	0	0.3	0.2	-0.4	-0.1	0.3
10th	0	-0.8	0.1	-0.6	0.1	0.2	0.2	-0.6	-0.2	0.7
11th	3.9	-1	2.2	-1.5	-0.3	0.3	1.4	-1	-1	1
12th	0.7	1.7	1	0.4	0	0	0.5	0.2	-0.3	-0.4
13th	-0.5	1.6	0.3	0.6	0.2	-0.1	0.4	0	-0.3	0.1
14th	-1	0.5	0	0.3	0.5	0	0.5	0.1	-0.6	-0.1
15th	-0.5	0.5	-0.1	0	0.2	0	0.3	0	-0.3	0
16th	0.3	0.7	0.1	-0.1	-0.1	-0.1	0	0	0	-0.2
17th	0.3	1.1	0.1	0	-0.2	-0.2	-0.1	0	0.1	-0.1
18th	0.3	0.8	0	0	-0.1	-0.1	0.1	0	-0.2	-0.2
19th	0.4	1.4	0	-0.1	-0.4	-0.4	0.1	0.2	-0.5	-0.6
20th	-1.5	0.4	0	0.1	0.6	-0.5	0	0.2	1	-0.5

D-175

RUN 63   PT 19

V/OR = 0.151   ALFS,U =-15.00   CLRH/S = 0.029801   CTH/S = 0.030681
VKTS = 60.3   MTIP = 0.604   CXRH/S = 0.007322   CP/S = 0.002495

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	60		769.9		330.4		1250.9		-90.3	
RMS	121.7		96.6		113.5		94.2		63.6	
1/2 P-P	196.8		182.6		193.5		195.6		165.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	67.5	154.5	45.9	121.5	21.9	151.4	-3	123	41.7	75.1
2nd	-25.3	3.9	-22	1.8	-5.8	-6.8	7.5	-16.4	12.2	5.1
3rd	3.2	0.7	-6.3	8.4	-11.1	10.1	-8.5	0.3	12.3	-3.6
4th	0.5	-10.8	3.9	-7	8	-5.3	11.4	-7.8	-4.3	-5.1
5th	-11.5	1.9	-18.7	20.7	-25.1	31.3	-21.6	34.3	-3.5	1.3
6th	0.9	-5.7	-2.6	-0.9	-4.1	3.3	-4.2	5.8	-2.5	2.7
7th	2.3	5	-1.2	0	-3.2	-3.7	-3.1	-6.4	-1.9	0.9
8th	-1.4	-0.3	-1.4	-2.8	0.1	-3.1	2.4	0.4	1.2	2.7
9th	1.4	0.2	0.5	-0.3	-0.1	-0.4	-0.1	-0.6	-0.1	0.5
10th	4.4	1.2	3	1.2	0.3	-0.4	-2.6	-1.7	0.8	-1.4
11th	-4.3	-2.1	-7.5	1.1	-1.8	-1.4	4.9	-1.1	-0.3	2
12th	2.3	1	1.7	-0.1	1.6	0.3	-0.1	0.3	-1.6	0.1
13th	1.6	-0.8	2.1	-2.8	1.7	-0.5	-0.3	0.7	0.5	1.5
14th	-0.2	-0.1	0.3	0.8	-0.9	1.5	0.7	-0.1	-2.9	-0.9
15th	0.1	-0.2	0.5	0	-0.4	0.2	0.4	0	0.2	-1
16th	0.1	-0.4	-0.2	0.2	0.6	0.6	-0.1	0	-0.4	0.8
17th	-0.1	-0.7	0	0.2	1	1.5	-0.2	0	-1.2	-0.9
18th	0	-0.2	-0.4	0	0.8	0.7	-0.2	-0.2	1.8	-0.2
19th	0.3	-0.8	-0.4	0.1	1.3	2.1	-0.8	-0.2	-0.3	0.9
20th	0.4	0.9	0.1	-0.7	-2.5	0.4	1.4	-1.7	-0.3	-1.3

D-176

RUN 63　　PT 20

V/OR = 0.150　　ALFS,U = -15.00　　CLRH/S = 0.039506　　CTH/S = 0.040739
VKTS = 60.1　　MTIP = 0.605　　CXRH/S = 0.009966　　CP/S = 0.003093

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	117.9		-1.5		342.5		-24.5		-31.5	
RMS	21.1		9.2		20.9		39.8		13.1	
1/2 P-P	41.5		22.9		36.4		73.2		29.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	5	24.9	3.7	-5.3	5.8	-26.3	-6.4	-38.3	-5.1	-9.8
2nd	7	1.1	-0.7	-0.3	-6.6	1.5	-29.4	8.2	-12.1	3.1
3rd	7	-1.7	5.4	0.2	2.5	3.9	-2.1	25.1	-1.1	4.7
4th	-1.6	-6.4	-0.8	-5.3	-1.4	-3.6	1.3	4.8	4.3	1.2
5th	0.4	5.7	2.9	5.6	2.8	6.5	-2.5	-6.6	-1.1	-1.8
6th	-4.4	0.9	-2.9	1	-1.7	1.5	1.4	-1.9	-1.8	-0.1
7th	1.3	3.4	1.4	1.3	0.6	0.4	-0.3	0.3	0.6	0.1
8th	0.7	2	0.8	1.1	0.1	0.5	0.1	-0.2	1.2	-0.2
9th	-0.1	0.3	1	-0.2	0.7	0	0.2	-0.2	0.4	0.1
10th	1.1	-0.1	0.9	-0.3	0	0.1	0.7	-0.4	-0.7	0.5
11th	2.3	-0.6	1.6	-0.5	-0.2	0.6	1.2	-0.7	-1	0.7
12th	-0.2	0.4	0.5	0.1	0	0.1	0.4	-0.2	-0.3	-0.1
13th	-1.1	0.4	0.4	0.4	0.4	0.4	0.8	0.2	-0.7	0
14th	-1.6	-0.6	0.1	0.3	0.9	0.5	1	0.4	-1	-0.4
15th	0.8	-0.9	0.2	-0.3	-0.1	0.8	-0.1	0.7	-0.1	-0.7
16th	-1	0.7	-0.4	0.2	0.4	-0.2	0.4	0	-0.3	-0.2
17th	-0.3	0.9	0	0.1	0	-0.3	0.1	-0.1	0.1	-0.3
18th	-0.3	0.7	0	0	0	-0.3	0.2	0	-0.1	-0.2
19th	-0.5	0.9	0	-0.2	-0.2	-0.4	0.1	0.1	-0.1	-0.7
20th	-0.6	-0.5	0	0.1	0.5	0.4	0	0.1	0.7	0.2

RUN 63 PT 20

V/OR = 0.150 ALFS,U =-15.00 CLRH/S = 0.039506 CTH/S = 0.040739
VKTS = 60.1 MTIP = 0.605 CXRH/S = 0.009966 CP/S = 0.003093

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-14.7		712.1		284.4		1226.2		-126.1	
RMS	200		155.3		170.8		138.3		81.5	
1/2 P-P	337.2		301.6		343.1		287.9		149.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	6.1	276.7	0.6	212.4	-10.7	228.9	-21.1	172	36	103.1
2nd	25.4	10.2	15.4	3.2	27	-5.2	32.4	-16.2	25.9	10.4
3rd	25.4	-38.2	7.3	-25.1	0.6	-24.4	0	-27.4	12.7	-11.1
4th	-2.1	4.9	4.6	14.4	9.6	19.6	12.8	14.7	-6.1	-6.2
5th	-2.9	0.1	15.7	31.6	25.1	52.5	33.7	64	-9	1.4
6th	1.2	-5.2	3.7	-1.1	4.2	2.7	1	4.5	-1.5	3.8
7th	4.3	13.5	0.1	2.9	-3.8	-4.2	-6.2	-8.6	0.8	2.9
8th	-1.3	0.5	0	-0.8	1.6	-2.4	3.5	-1.6	1.8	-1.2
9th	-7.3	3	-4	2.5	-0.4	-0.1	5.7	-3.4	-0.7	-0.2
10th	0.2	2.9	-0.1	2.4	0.4	-0.4	1.1	-2.8	-2	0.3
11th	-8.8	-11.2	-12.5	-6.2	-4.4	-4.4	7.3	3.9	-1.2	-1.4
12th	2.7	-4.6	1.4	-5.6	1.2	-3.6	-0.3	1.9	-1.7	-0.1
13th	4.6	-3.3	6.8	-7.5	4.9	-5.2	-1	2.2	-1.6	-2.5
14th	0.2	0.6	4.9	3.7	2.1	2.6	0.8	0.2	-3.7	-1.9
15th	0.6	-0.2	-1.7	4.5	-1.4	2.5	-0.2	0.6	1	-1
16th	1.2	1.3	-2.6	-3.2	-5	-3.2	-0.9	-1.4	0.8	-0.3
17th	1.4	0.2	-0.8	0	-1.4	1.3	-0.1	-0.1	1.1	0.7
18th	2.2	0.1	-1.3	0.4	-2.5	2.3	-1.4	0.2	0	0.1
19th	3.5	2.7	-2.3	-0.9	-7.6	-0.2	-4.2	-1.9	-0.6	1
20th	6.5	-1.5	-1.4	1.8	-8	8.8	-4	6.1	-0.5	-1

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RUN 63 PT 21

V/OR = 0.151 ALFS,U = -15.00 CLRH/S = 0.048655 CTH/S = 0.050253
VKTS = 60.2 MTIP = 0.604 CXRH/S = 0.012580 CP/S = 0.003739

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	140.1		12.7		350.9		-23.8		-28.3	
RMS	33.4		10.2		21.5		44.4		15.7	
1/2 P-P	64.5		21.3		39.6		83.4		36.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	13.1	41.6	7	-0.2	6.4	-26.5	-12	-42.5	-7.5	-11
2nd	9.1	2.2	1	0.4	-5	2.4	-30.8	7.5	-14.8	3
3rd	1.9	-4.6	2.1	0.1	0.4	5.2	-4.3	28.8	-1.9	5.1
4th	-2	-7.8	-1.3	-6.5	-1.8	-4.7	1.3	5.4	5.7	1.4
5th	-0.5	6.8	2.8	7.4	3.2	8.4	-2.6	-9.2	-0.9	-2.7
6th	-4.5	-0.8	-3.2	0.6	-1.9	1.7	1.6	-2.2	-2.5	-0.4
7th	1.9	4.8	1.6	2.5	0.2	1.4	-0.4	0.1	0.4	0.4
8th	-3.1	2	-2.3	1.5	-1.4	0.5	-0.4	0.2	0.5	0
9th	0	-0.6	0.3	-1.2	0	-0.5	0.2	-0.4	0.1	0
10th	2	-0.8	1.2	-0.9	-0.2	0.3	0.9	-0.4	-0.9	0.6
11th	2.4	-1.5	1.5	-1.2	-0.1	0.4	1	-0.9	-0.9	0.7
12th	-0.2	1.7	0.5	0.4	0	-0.3	0.3	0.1	0	-0.2
13th	-1.9	0.6	0.5	0.4	0.9	0	1.1	-0.1	-0.6	0
14th	-2.9	-0.1	0	0.2	1.2	-0.1	1.1	-0.1	-1.1	0.1
15th	0.4	-2.1	0.1	-0.5	0	1.1	0.3	1.1	-0.1	-0.9
16th	0.2	1.3	0.2	0.4	-0.4	-0.2	-0.5	-0.3	0.5	-0.1
17th	-0.8	0.7	-0.3	0.4	0	-0.2	0.2	-0.4	-0.2	0.3
18th	0.1	0.4	-0.1	0	-0.2	0	-0.1	0.1	-0.1	0
19th	-0.8	1.4	-0.1	0.1	0	-0.6	0	0	-0.1	-0.7
20th	-1.3	0.3	-0.1	0.1	0.4	-0.2	-0.1	-0.1	0.3	-0.2

D-179

RUN 63   PT 21

V/OR = 0.151   ALFS,U =-15.00   CLRH/S = 0.048655   CTH/S = 0.050253
VKTS = 60.2   MTIP = 0.604   CXRH/S = 0.012580   CP/S = 0.003739

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	26.7		731.6		297.3		1234.3		-139.7	
RMS	310.8		238.1		246		194.4		108.1	
1/2 P-P	512.1		465.4		503.1		418.5		191.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	17.6	433.3	7.5	325.4	-2.7	325.9	-13.9	235.7	42.2	140.8
2nd	12.6	2.9	4.3	-2.8	17.2	-11.7	27.5	-22.1	27.8	12.4
3rd	13.6	-63.1	-5.5	-44.5	-11.9	-45.7	-11.3	-43.6	7.1	-19.5
4th	-0.2	11.2	8.5	24.9	14.1	32.6	16.4	26.8	-6.5	-7.3
5th	4.3	-2.9	47.5	37.4	74	66.2	88.2	81.9	-11.5	2.4
6th	2.7	-13.8	2.7	1.2	2.2	11.5	-1.9	18.9	2.3	1.1
7th	7.5	10.4	1	0.6	-3.2	-5	-7.3	-6	1.3	1
8th	4.9	2	5.4	-1.3	4.2	-2.8	-1.8	-1.5	1.3	-1.4
9th	2.3	15.9	3	9	0.4	-0.3	-0.9	-10.9	-1.3	0.3
10th	2	6.7	0.6	5.2	1.3	-0.1	0.3	-5.2	-0.9	-0.2
11th	-7.7	-2	-9.7	1.9	-3.4	-1.4	6.2	-1.6	-0.6	0.3
12th	-1.7	0.5	-2.2	-0.2	-1.1	0.3	1.1	0.1	-1.2	2.2
13th	6.9	-8.5	9	-19.9	5.9	-14.4	-1.3	5.1	-3.7	-2.3
14th	0.2	-0.8	5.4	-3	1.9	-2.1	1.2	0.3	-5.2	-1.9
15th	0.7	-0.6	3.5	1.1	3.5	-2.4	0.4	0.5	2.1	-0.5
16th	0.1	-0.2	-3.4	-2.4	-2.4	-1.2	-1.1	-0.4	0.8	-2
17th	2.5	-0.9	-0.2	1.2	-1.9	4.4	-0.8	1	0.9	0.1
18th	2.2	-1.7	-2.5	0.6	-3	3.2	-2.2	1.2	0.5	-0.5
19th	2.7	-0.6	-0.9	0.7	-2.5	5.4	-1.8	0.5	0.3	1.3
20th	9.3	-4.5	-2.4	2.1	-9.6	14.1	-5.5	8.3	0.9	-0.9

D-180

RUN 63   PT 22

V/OR = 0.151
VKTS = 60.3

ALFS,U = -15.00
MTIP = 0.604

CLRH/S = 0.058593
CXRH/S = 0.015107

CTH/S = 0.060507
CP/S = 0.004458

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	162.2		26.7		359.9		-21.5		-24.6	
RMS	41.4		12		23.5		49		18.6	
1/2 P-P	74.8		26.6		46.3		92.9		40.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	16.5	51.8	8.8	1.4	7.4	-28.7	-18	-46.6	-9.7	-12.1
2nd	11.2	6.3	2.7	1.7	-3.8	2.2	-33.6	4.8	-18.2	2.5
3rd	-3	-3	-1.2	0.7	-3.3	5.1	-6.4	30.4	-2.3	4.7
4th	-1.9	-9.5	-1.5	-7.3	-2.2	-5.1	0.1	6.4	6.8	2
5th	-2.1	7.8	4.1	8.6	5.9	9.3	-4.7	-10.2	-1.6	-2.8
6th	-8.8	-1.3	-4.7	0.6	-1.5	1.8	1.1	-2.1	-3.6	-0.6
7th	3.3	0.9	2.8	0.2	1.2	0.7	-0.6	0	0.6	-0.1
8th	-1.5	-0.4	-0.6	0	-0.2	0.1	-0.3	-0.4	1.4	0.1
9th	0.4	0.8	0	0.4	-0.7	0.3	0.3	-0.2	-0.1	0.7
10th	2.6	0.1	1.5	0.3	-0.5	0.5	1.2	-0.2	-1.3	0.2
11th	0.4	2.2	0.8	1.2	-0.3	0	0.5	0.7	-0.7	-0.6
12th	-1.2	1.7	0.2	1.2	0	0.1	0.2	0.6	0	-0.4
13th	-1.4	0.4	0	0.3	0.2	0.2	0.3	0	-0.1	0
14th	-0.9	-0.8	0.1	-0.2	0.4	0.4	0.4	0.3	-0.2	-0.4
15th	-0.9	-2.3	-0.4	-0.3	0.7	1.1	0.8	0.9	-0.6	-0.8
16th	0.4	0	0	-0.1	-0.1	0.1	-0.2	0.3	0.1	-0.3
17th	-0.6	0.8	0	0.4	0.1	-0.4	-0.1	-0.3	0	0.2
18th	-0.3	0.2	0.1	0	0	-0.2	0	0.3	0.2	0
19th	-0.1	0.1	0	0.2	-0.1	0	0	0.2	0.1	0.1
20th	0.4	-2.4	0.1	0	0.5	1.3	0	-0.1	0.6	1.2

D-181

RUN 63   PT 22

V/OR = 0.151 ALFS,U = -15.00 CLRH/S = 0.058593 CTH/S = 0.060507
VKTS = 60.3   MTIP = 0.604   CXRH/S = 0.015107   CP/S = 0.004458

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	50.6		742.9		301.7		1244.3		-155.1	
RMS	338.3		258.6		269.6		211.7		125.9	
1/2 P-P	545.9		487.8		531.6		441.6		218.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	85.6	464.7	56.2	348.2	36.7	355.4	13.5	259.4	54.9	162.4
2nd	10.8	20.5	1.9	7.7	14.9	-2.7	27.8	-17.1	32.3	22.5
3rd	-27	-55.7	-41	-38.5	-43.8	-41.5	-35.3	-41.5	0	-17.5
4th	-5.6	13.1	1.2	31.7	5	42	7.7	36.7	-3.2	-9.3
5th	3.2	-22.8	60.4	-25.7	100.6	-29.1	122.4	-20.9	-16.7	-0.3
6th	-14.1	-9.1	6.5	1.3	19.9	6.6	23.8	10.4	-4.3	-0.7
7th	3.7	-4.6	-1	-0.6	-2.7	1.6	-1.7	4.4	-1.6	0.1
8th	-1.5	-3.7	0.9	-1.4	2	-2.6	2.1	-2.3	-0.5	-3.4
9th	13.3	-5.8	6.4	-5.3	2	-1.1	-5.6	4.1	2.1	0
10th	6.7	-3.9	1.3	-3	1.9	-2.3	-1.1	1.1	1.7	0
11th	0.3	-5.5	-2.5	-6.1	-0.1	-2	1.1	3.9	0.6	-0.2
12th	7.6	-7.5	6.3	-12.4	3.9	-6.7	-2.2	5.8	0.6	-0.1
13th	2.8	-3.1	3.9	-7.6	2.5	-5.1	-0.6	2.6	-0.5	-0.7
14th	-0.8	-0.4	-1.9	0.7	-2	-0.2	1.1	-0.1	-1.8	-0.7
15th	-0.1	-0.4	2.4	-1.8	0.5	-4.9	0.8	0.6	1.5	-1.6
16th	0	-0.2	1.9	0.7	3.2	0.4	0.3	0.1	0.5	-1.1
17th	0	-2.4	-0.1	0.7	0.6	3.2	0.5	0.8	0.2	-1.4
18th	-1.7	0.3	1.8	-0.9	3.2	-2.1	1.9	-0.7	-0.7	-0.2
19th	0.2	-4.5	1.7	1.1	3.7	4.8	2.5	2.9	0.9	1.1
20th	-1.5	0.6	1.1	0.7	-0.3	-5.1	2.6	0.8	0.1	-1.2

RUN 63   PT 23

V/OR = 0.151   ALFS,U = -15.00   CLRH/S = 0.068140   CTH/S = 0.070393
VKTS = 60.4   MTIP = 0.605   CXRH/S = 0.017679   CP/S = 0.005278

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	187.5		42.4		369.2		-19.1		-20.6	
RMS	49.2		14.9		25.5		54		21.8	
1/2 P-P	86.5		33.9		51.9		104.4		47.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	23.5	59.2	11.8	2.4	8.3	-30.8	-24.5	-50.8	-11.3	-13.7
2nd	16.3	8.7	5.1	2.5	-2.6	2	-36.6	0.3	-22	1.3
3rd	-8.8	2.2	-6.6	4.3	-8.9	8	-12.9	31.9	-4.2	4.1
4th	-2.2	-10.1	-2	-8.3	-2.6	-5.8	0.7	6.9	8.5	2.7
5th	-2	7	4.1	6.7	5.5	6.8	-4	-7.8	-1.2	-1.5
6th	-12	0.8	-6.4	1.4	-2.6	1.1	1.7	-1.2	-4.4	-0.6
7th	1.5	-0.2	1.8	-0.8	0.9	0.2	-0.6	0	0.2	-0.8
8th	-4.2	-0.7	-1.9	-0.4	-0.4	-0.2	-0.8	-0.1	1.3	-0.2
9th	0.5	-1.1	0.1	-0.5	-0.7	0.3	0.5	-0.5	0.1	0.8
10th	2.1	-0.8	1.5	-0.3	-0.2	0.6	1.1	-0.1	-1.2	0.4
11th	1.2	4.6	1.9	2.2	-0.4	-0.3	1.1	1.4	-1.2	-1.3
12th	-0.8	1.5	0.4	0.9	-0.1	-0.1	0.1	0.3	0	-0.5
13th	-1.3	0.3	-0.2	0.2	0.1	-0.1	0.2	-0.2	-0.2	0
14th	-1.7	0.3	-0.1	0	0.5	-0.2	0.1	-0.5	-0.5	0.3
15th	-1.1	0.2	-0.4	0	0.4	0	0.4	-0.2	-0.4	0.1
16th	-0.3	0.7	-0.1	0.3	0	-0.2	-0.1	-0.1	0.1	0
17th	-0.4	-0.1	0	-0.3	0.1	-0.1	0.1	0.2	0.2	-0.1
18th	-0.3	0.4	-0.1	0	0	-0.3	0.2	0	0	-0.4
19th	-0.5	-0.7	0.3	0.1	0.4	0.3	-0.2	0.1	0.8	0.6
20th	-1.3	-2	-0.3	0	1.1	0.9	-0.1	0	1	0.5

RUN 63 ' PT 23

V/OR = 0.151 ALFS,U =-15.00 CLRH/S = 0.068140 CTH/S = 0.070393
VKTS = 60.4 MTIP = 0.605 CXRH/S = 0.017679 CP/S = 0.005278

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	80.5		754.4		307.5		1253.1		-170.3	
RMS	362.4		277		290.5		223.2		144.2	
1/2 P-P	555.6		497		532.2		432.4		248.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	112.7	495.3	74.8	372	55.1	385	29.2	281.9	65.7	184.3
2nd	28.2	17.8	14.3	2.4	26.3	-5.8	37.4	-19	40.8	30.5
3rd	-21	-30.1	-37.2	-23.5	-40.5	-32.8	-36.2	-37.4	-5.3	-10.2
4th	-9.5	29.4	-2.3	57.3	0.5	73.8	3.5	67.8	-3.8	-12.4
5th	-5.3	-30.6	27.6	-48.6	52.6	-65.6	69.5	-61.8	-15.3	-0.2
6th	-14.7	4.6	10.3	-2.8	24.3	-9.9	26.7	-12.8	-7.6	1
7th	-3.8	-3.8	-3	0.5	-0.3	2.2	2.9	2.5	-1.8	0.8
8th	-4.6	1.3	0.7	1.3	1.9	-1	0.7	-3.8	-2.4	-1.2
9th	4.5	-5.3	1.7	-2.8	1.7	-1.7	-0.9	2.7	0.7	0.6
10th	-1.3	-6.1	-4.2	-3	-0.1	-2.4	2.7	1.8	0.2	-1.1
11th	-4.2	-5	-7.8	-7	-1.5	-1.5	4.7	4.8	-2.1	0.1
12th	0.7	-10.9	-2.7	-14.7	-0.7	-7.9	1.2	6.1	-1	0.3
13th	0.9	-5.9	-1.9	-11.2	-1.5	-8.2	0.8	2.6	-0.9	-1.5
14th	-0.7	0.8	-0.9	-0.7	-2.2	-0.3	1.1	-0.4	-4.5	0.4
15th	-0.6	0.7	-3.2	-4.8	-4.2	-5.2	-0.2	-0.3	0	-1.5
16th	0.1	0.4	-0.4	1.5	0	2.6	-0.2	0.4	-0.8	-0.1
17th	-0.5	2.1	0.5	-1.8	0.5	-3.6	0.7	-1.4	0.4	1.1
18th	0.7	2.4	-0.7	-2	-2.1	-3	-0.7	-1.9	-0.6	-0.7
19th	-3.4	-0.6	1.6	0.3	3.2	-0.8	3.7	0.4	1.7	-0.4
20th	2.1	7.9	-1	-1	-12	-8.9	-3.8	-4.4	1.6	-0.3

RUN 63   PT 24

V/OR = 0.150   ALFS,U =-15.00   CLRH/S = 0.077394   CTH/S = 0.080009
VKTS = 60.2   MTIP = 0.607   CXRH/S = 0.020293   CP/S = 0.006111

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	211.6		57.4		381		-15.4		-16.6	
RMS	57.1		18.6		27.3		59.2		25	
1/2 P-P	100.3		39		57.2		115.9		52	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	32.2	65.8	15.6	3.7	9.7	-31.7	-30.1	-54	-13.3	-15.1
2nd	22.2	10.7	7.9	2.6	-1	1.4	-39.9	-6.1	-25.6	-0.7
3rd	-10.4	8.2	-9.1	8	-12.7	10.3	-18.8	32.5	-5.4	3
4th	-0.1	-10.4	-1.4	-.9	-2.3	-6.8	-0.7	7.3	9.6	3.9
5th	-3.9	7.9	1.8	7.4	3.1	6.9	-1.2	-7.7	-0.3	-1.1
6th	-10.6	2.1	-5.7	1.1	-2.7	0	2	-0.3	-4.7	-0.8
7th	0.2	1.3	1.1	0.1	0.5	0.2	-0.6	-0.1	-0.3	-0.8
8th	-5.4	-1.5	-3.2	-1.3	-1.2	-1	-0.9	-0.2	1.3	-0.5
9th	-0.1	-0.4	-0.4	-0.3	-0.8	0.1	0.2	-0.4	0	0.6
10th	1.3	0.9	1.4	0.4	-0.2	0.3	0.9	0.4	-1.3	-0.1
11th	-3.8	5.2	-0.9	3.6	0.1	-0.4	-0.7	2.3	0.3	-2
12th	-1.1	0.5	0	0.3	0	0	0	0	0.3	-0.2
13th	-0.7	0	-0.4	-0.1	-0.3	-0.2	-0.4	-0.2	0.3	0.1
14th	-1.4	1.2	-0.3	0	0.3	-0.7	0	-0.7	0	0.7
15th	-0.9	0	-0.2	0	0.2	-0.1	0.1	-0.2	-0.3	-0.2
16th	0.8	0.8	0.3	0	-0.6	-0.1	-0.8	0	0.5	0
17th	-0.2	-0.1	-0.3	-0.3	0	-0.1	0.3	0.3	-0.2	-0.2
18th	-0.4	-0.1	-0.2	0	0.1	-0.1	0.1	0	-0.2	-0.3
19th	-0.9	0.4	-0.1	0	0.2	-0.5	0	-0.1	0.3	-0.5
20th	-0.4	-0.2	-0.6	0.1	0.2	0.2	0.2	0.1	-0.1	0.1

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RUN 63　　PT 24

V/OR = 0.150	ALFS,U =-15.00	CLRH/S = 0.077394　CTH/S = 0.080009
VKTS = 60.2	MTIP =　0.607	CXRH/S = 0.020293　CP/S = 0.006111

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	114		770.3		311.1		1261.2		-184.5	
RMS	386.5		296.4		313.1		238.5		161.8	
1/2 P-P	576.5		512.9		584.7		474.3		278	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	120.4	527.8	77.2	398.4	60	415.3	36.7	303.8	76.7	204.4
2nd	44.8	7	25	-8.1	37.6	-11.9	48.9	-20.8	50.5	38.3
3rd	0.7	-3.4	-21.6	-7.9	-27.6	-22.2	-28.9	-31.1	-5.9	-2.2
4th	-10.2	41.8	-4.6	75.7	-4.2	98.5	-1.1	91.9	-0.3	-11.8
5th	-8.7	-37.6	0.3	-56.1	8.6	-74.1	19	-68	-18.6	-2.4
6th	-10.2	14.8	5.3	-4.4	12.7	-19.1	12.6	-27.7	-7.4	3.6
7th	-6.4	-1.9	-3.2	0.5	0.5	0.8	4.6	0.4	-2.9	1.5
8th	-1.4	7.3	3.7	4.6	1.5	0.3	-3.8	-6.7	-2.8	-1
9th	4.7	1.7	2.9	0.6	1.9	-0.5	-2.9	-0.8	1.8	0.6
10th	-4.4	-0.7	-4.6	0.1	-1.1	0.1	2.8	0.6	-2	1
11th	1.1	1.4	2	-3.9	1.5	1.2	-1.5	3.5	-1.6	-0.5
12th	-4.1	-10.3	-7.8	-12	-4	-7.7	2.8	5	-0.7	0.5
13th	-2	-4	-6	-6.2	-4.4	-4.7	0.8	1.4	-1.8	0.2
14th	0	0.2	-1.5	-1.8	-1.1	-0.3	0.6	-0.7	-3.6	0.6
15th	0	1.2	-4.9	-3.1	-6	-3.9	-0.2	-0.6	-2.2	-2.3
16th	-0.4	0.7	-0.6	4.2	1.9	5	-0.7	0.9	-1.8	0
17th	2	3.2	-0.7	-0.8	-2.9	-3.8	-0.8	-1.2	-0.5	0.4
18th	2.1	1.3	-0.7	-0.9	-3.8	-1	-1.2	-0.6	1.4	0.8
19th	-1.2	2.8	0.9	-1	0.1	-2.6	1.1	-3.3	0.7	0.6
20th	11.1	7.6	-4.5	-0.2	-22.5	-0.4	-15.2	-0.6	0.6	1.4

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RUN 63   PT 25

V/OR = 0.151	ALFS,U =-15.00	CLRH/S = 0.087803	CTH/S = 0.090769
VKTS = 60.4	MTIP = 0.605	CXRH/S = 0.023021	CP/S = 0.007141

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	238		75.3		391.7		-11.1		-11.2	
RMS	62.1		22		30.7		65.5		28.4	
1/2 P-P	107.1		45.8		64.3		127.5		58.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	37.1	68.7	18.6	2.9	11.4	-34.7	-35.8	-59.3	-14.1	-17.1
2nd	26.9	13.2	10.6	3.7	0.5	1.7	-42.6	-10.8	-29.5	-2.5
3rd	-11.6	13.7	-12.3	11	-17.4	11.8	-25.9	32.6	-7.1	1.6
4th	3.9	-10.8	0.5	-9.6	-1.7	-6.9	-2	7.2	10.8	4.9
5th	-2.3	7.5	1.8	6.4	1.9	5.9	0.4	-6.4	0.3	-0.3
6th	-6.5	2.6	-3.9	0.8	-2.7	-0.4	2.7	0.3	-4.7	-1.5
7th	0.1	0	0.7	-0.6	0.3	0.1	-0.7	-0.2	-0.5	-1.4
8th	-7.1	-1.5	-4.6	-1.3	-2	-1.2	-1.2	-0.2	0.8	-0.1
9th	0.5	-0.9	-0.2	-0.5	-1	0.1	0.4	-0.5	-0.1	0.9
10th	-0.2	3.2	0.8	1.3	-0.2	-0.6	0.4	1.1	-1	-0.7
11th	-5.7	7.7	-1.7	5.1	0.3	-0.9	-1.2	3	0.6	-2.7
12th	-1.1	-0.5	-0.5	-0.1	-0.1	-0.2	-0.3	-0.3	0.5	-0.1
13th	-0.4	-0.4	-0.6	-0.1	-0.4	-0.2	-0.6	-0.1	0.5	0.2
14th	-0.7	1.4	-0.3	0.1	-0.1	-0.9	-0.4	-0.9	0.2	0.8
15th	0.4	0.5	0.1	0.1	-0.3	-0.2	-0.4	-0.2	0.2	0
16th	-0.1	0.8	-0.1	0.2	-0.2	-0.3	-0.3	-0.2	-0.1	0
17th	0.2	-0.2	-0.1	0.1	-0.2	-0.1	-0.2	-0.2	-0.2	0
18th	-0.2	-0.1	-0.2	0.1	0	0	0.1	0	-0.3	-0.3
19th	0.3	0.6	-0.1	0.2	-0.4	-0.3	-0.1	0.1	-0.6	-0.1
20th	-0.1	0.6	-0.2	0.1	-0.2	-0.1	0.2	-0.2	-0.4	-0.2

RUN 63   PT 25

V/OR = 0.151 ALFS,U =-15.00 CLRH/S = 0.087803 CTH/S = 0.090769
VKTS = 60.4   MTIP = 0.605   CXRH/S = 0.023021 CP/S = 0.007141

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	140		773.1		307.2		1252.7		-199.3	
RMS	415.8		323.4		345.9		266.4		180.4	
1/2 P-P	604.9		566.6		646.1		530.8		297.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	137	564.6	88.7	431	72	455.1	48.7	335.2	87.1	225.5
2nd	50.3	-3.6	27.8	-19.5	41.2	-20.8	55	-27	59.8	46.3
3rd	25.5	16.5	-3.7	-1.3	-11.6	-21.5	-18.7	-34.5	-4.3	6.4
4th	-3.9	52.2	-3.4	93.8	-5.5	122	-3.7	114.5	3.8	-13.6
5th	-13	-40.8	-29.2	-61.2	-36.9	-81.5	-31.6	-76.5	-16.9	0.2
6th	-0.3	18.5	1.5	-3.7	1.4	-20	-2.6	-31	-6.6	4.1
7th	-7.8	-3.9	-4.1	1.5	0.9	3.4	4.1	2.8	-2.1	1.8
8th	1	9.1	6.2	6	3.2	3	-5.4	-3.2	-4.9	-0.9
9th	3.8	2.7	1.9	1.7	1.8	0	-1.7	-1.3	3.1	2.7
10th	-6.9	6.1	-4.8	3.1	-0.5	2.3	3.6	-1.1	-4.7	1.4
11th	1.8	1.1	3.7	-6.9	1.6	1.4	-2.7	5.2	-1.2	-0.2
12th	-9.8	-8.7	-13.4	-8.1	-7	-5.2	5.3	3.5	-1.8	-0.7
13th	-2.3	-2.6	-4.6	-3.4	-2.3	-3.1	0.5	0.7	-0.2	0.6
14th	0	0.8	-0.9	-1.6	-0.2	-0.1	-0.2	-1.1	-2.1	1.9
15th	-0.2	1.2	-2.6	0.9	-1.8	1.4	-0.6	0	-0.8	-0.1
16th	-0.3	0.6	-2.7	4.1	-2.6	6.7	-1.3	0.7	-2.7	0.4
17th	1	0.6	-0.3	-0.1	-1.2	-0.6	-0.9	-0.3	-0.3	0.8
18th	1.9	-0.9	-0.3	1.8	-1.9	3.9	-0.9	2	0.5	-0.1
19th	1.2	0.7	0.6	-1.4	0.6	-1.2	-1.1	-1.7	-0.4	2.1
20th	6.7	-1.2	-1.1	1.2	-7.6	7.4	-6.9	4.2	0.1	0.6

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RUN 63   PT 26

V/OR = 0.151   ALFS,U = -15.00   CLRH/S = 0.097567   CTH/S = 0.100854
VKTS = 60.5   MTIP = 0.605   CXRH/S = 0.025544   CP/S = 0.008192

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	262.2		90.9		402		-6.6		-5.5	
RMS	70.2		25.3		33.3		70.9		31.1	
1/2 P-P	116.9		50.8		67.3		137.8		62.6	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	42.2	77.6	21.6	4.9	13.6	-36	-40.4	-63.2	-15.4	-18.9
2nd	29.3	17.4	12	5.8	1.6	2.5	-44.9	-17	-32	-5
3rd	-12.3	19.2	-14.7	13.6	-21.5	12.5	-31.9	31.2	-8.3	-0.2
4th	7.9	-11.4	2.7	-10.3	-0.3	-7.6	-4.3	7.2	11.5	6.4
5th	-1.8	7.6	0.8	6.1	-0.4	5.1	3.1	-5.2	1.3	1
6th	-3.1	0	-2.7	-0.6	-2.6	-0.6	2.7	0.6	-4.5	-2.4
7th	0.2	1.1	0.9	0.3	0.3	0.4	-0.7	-0.1	-0.2	-1.5
8th	-5.5	-2.3	-3.8	-1.6	-1.8	-1.1	-1.1	-0.4	0.6	0.4
9th	0.1	-0.9	-0.3	-0.7	-0.8	-0.2	0.1	-0.4	-0.1	0.8
10th	0.1	4.8	0.8	1.8	-0.5	-1	0.4	1.6	-0.9	-1.3
11th	-5.2	3.4	-2.1	2.6	0.2	-0.6	-1.6	1.5	1	-1.7
12th	-2.2	-0.8	-1.6	-0.3	-0.2	-0.3	-1.4	-0.2	1.3	0
13th	0.2	-0.1	-0.2	0	-0.5	-0.1	-0.7	-0.1	0.6	0.4
14th	-0.7	2.7	-0.4	0.2	-0.5	-1.5	-0.6	-1.5	0.4	1.2
15th	0.8	0.6	0.2	-0.1	-0.5	-0.2	-0.6	-0.2	0.6	-0.1
16th	-1	1.3	-0.4	1	0.1	-0.6	0	-1	-0.4	0.7
17th	0	0	0.1	-0.1	0	-0.1	-0.1	0	0.1	-0.1
18th	-0.3	0.2	0	-0.1	0	-0.3	-0.1	0	-0.3	-0.5
19th	0	0.1	-0.3	0.1	0	-0.2	0.1	0.1	-0.3	0
20th	-1.9	-0.3	-0.6	0	1	-0.5	0.1	0.2	1.1	-0.7

RUN 63   PT 26

V/OR = 0.151   ALFS,U = -15.00   CLRH/S = 0.097567   CTH/S = 0.100854
VKTS = 60.5   MTIP = 0.605   CXRH/S = 0.025544   CP/S = 0.008192

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	158.5		777		304		1250.7		-214.8	
RMS	436.9		344.7		376.8		295.5		197.4	
1/2 P-P	632.1		602.3		704.9		581.6		321	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	143.3	592.6	91.6	454.7	74.1	486.3	54.2	359.2	93.3	247.3
2nd	42.6	-3.2	21.1	-21.8	37.2	-22.7	56.5	-26.1	63.8	55.1
3rd	39.4	33.4	4.2	2.8	-4.1	-21.3	-15.4	-36.7	-2.7	17
4th	0.2	53.6	-5	101	-11.4	134.2	-10	127.1	11.9	-12.7
5th	-12.4	-49.4	-54	-86.2	-75.9	-119.7	-77.8	-116.3	-16	-4
6th	4	11.7	-3.1	-0.4	-8	-10	-13.9	-17	-5.4	3.3
7th	-5.8	-2.7	-4.8	0	-2	0.1	0.7	0.5	-3.5	0.3
8th	3.1	6.2	5.2	5.3	2.8	3.4	-4.8	-0.2	-2	0.9
9th	-0.8	4.6	-0.6	3.4	0.5	0.7	-0.7	-2.5	2.2	1.9
10th	-3	12.2	-2.2	5.1	0.5	3.8	1.4	-2.5	-1.4	5
11th	-4.4	4.2	-0.4	0.6	-0.7	2.9	-1.1	0.7	-1.6	-0.1
12th	-17.2	1.1	-18.5	5.8	-11.9	2.8	6.3	-1.9	-0.1	1.2
13th	-0.3	-3.1	-2.2	-5.1	-0.2	-3.5	-0.8	1.7	-0.9	-0.1
14th	0.3	1	-3.4	-2.3	-2.2	2	-0.1	-1.6	-1.7	5.9
15th	-0.4	0.9	0	-0.5	1.9	-0.4	-0.6	0.1	-0.2	0.3
16th	-0.1	0.1	-5	7.1	-5.8	12.5	-2	2.5	0.1	-0.4
17th	-0.5	0.7	0.9	0	1.8	-0.1	0.7	-0.3	0.4	-0.4
18th	1.1	-0.2	1.1	2.7	1.2	5.2	0.5	1.8	0.3	0.2
19th	-0.2	-0.2	0.6	0.2	0.9	0.6	-0.1	-0.7	0.9	-0.4
20th	5.1	10.9	-0.4	-3.2	-15.9	-9.9	-7.4	-9.7	-0.3	-1.1

RUN 63   PT 27

V/OR = 0.152	ALFS,U = -15.00	CLRH/S = 0.107080	CTH/S = 0.110735
VKTS = 60.6	MTIP = 0.604	CXRH/S = 0.028217	CP/S = 0.009305

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	287.1		107.5		412.5		-1.7		1.1	
RMS	78		29.4		36.1		76.7		34.2	
1/2 P-P	129.8		60.7		71.5		150.6		68.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	48.8	84.5	25.4	6.4	16.1	-37.2	-45.5	-68.1	-15.7	-21.9
2nd	31.7	21.8	13.6	7.6	2.8	2.9	-46	-23.5	-34.5	-7.7
3rd	-13.3	21.9	-17.2	14.5	-25.5	11.9	-38	27.7	-8.7	-2.1
4th	12	-13.7	5.1	-12.3	0.8	-9.5	-5.8	7.8	12.4	8.2
5th	-1.6	8.8	-0.6	7.5	-2.9	5.9	5.7	-5.7	1.9	1.4
6th	1.3	-2.5	-0.2	-2.1	-1.6	-1	2.6	1	-3.9	-3.3
7th	0.5	1.4	1.2	0.8	0.2	1.1	-0.8	-0.3	0.3	-1.8
8th	-4.4	-1.1	-3.2	-0.7	-1.7	-0.6	-0.7	-0.6	0.5	1.1
9th	-0.3	-0.6	-0.2	-0.8	-0.5	-0.5	0.2	-0.2	-0.2	0.7
10th	0	5.7	0.4	2.3	-0.7	-1.4	0.1	1.8	-1.1	-1.7
11th	-5.9	1.6	-3.2	1.7	0.4	-0.7	-2.3	1	1.6	-1.2
12th	-1.7	-1.6	-2.2	-0.6	-0.5	-0.3	-1.8	-0.3	1.5	0.3
13th	0.7	-0.1	-0.2	-0.1	-0.7	-0.3	-0.8	-0.3	0.6	0.5
14th	0.7	3	-0.5	0.3	-1.1	-1.3	-1.2	-1.1	0.7	1.2
15th	1.6	0.7	0.4	0.1	-0.8	0	-1	-0.1	0.9	0.1
16th	-0.2	1.9	0.2	0.9	-0.2	-0.6	-0.2	-0.9	0.1	0.9
17th	0.7	0.4	0.1	-0.3	-0.2	-0.1	-0.4	0.1	0.1	-0.3
18th	-0.2	0.1	-0.4	-0.3	0.2	-0.2	0.1	0.1	-0.2	-0.7
19th	-0.5	0.2	-0.3	-0.1	0.3	-0.2	0.4	0.1	0.1	-0.2
20th	-2.1	2.8	-0.6	0.2	0.2	-1.9	0.3	0.5	0.3	-2.2

RUN 63   PT 27

V/OR = 0.152   ALFS,U = -15.00   CLRH/S = 0.107080   CTH/S = 0.110735
VKTS = 60.6   MTIP = 0.604   CXRH/S = 0.028217   CP/S = 0.009305

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	181		780.9		301		1247.4		-227.8	
RMS	458.1		365.4		405.6		321.6		218.8	
1/2 P-P	652.9		641.6		753.9		628.5		356.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	141.6	622.2	88.2	481	72.9	519.7	58	385	97.9	273.8
2nd	38.6	-1	19.2	-22.8	38	-20.7	62	-21.6	71.1	67.5
3rd	53.5	42.7	14.2	-0.1	6.9	-29.6	-8.4	-47.7	-0.2	22.4
4th	1.3	52.7	-10.7	102.2	-20.6	137.1	-19.6	129.3	20.1	-16.7
5th	-8.1	-55.2	-66.2	-101.3	-96.9	-142.7	-103.8	-138.1	-14.5	-8.1
6th	6.1	7.3	-8.5	3.2	-15.8	-3	-20.5	-8.1	-4.7	1.7
7th	-3.5	-4.9	-4.4	-2	-1.6	0.3	0.4	2.9	-4.7	0.7
8th	4.3	4.7	4.3	4.1	2.5	3.1	-4.7	1.3	-1.8	1.1
9th	-5.3	3.9	-3.2	3.2	0.9	1.4	2.3	-2.3	0.8	2.2
10th	4.8	13.7	3.5	4.3	3	3.8	-3.2	-2.7	-1.5	3.8
11th	-5.4	6.5	0.7	3.5	-1.3	3.6	-1.7	-1.7	0	0.6
12th	-22.5	10.9	-21.8	20	-13.9	10.7	8	-8	1.6	1.7
13th	-0.5	-4.2	-3.5	-6.3	-1	-4.6	-0.1	1	0.8	0.4
14th	1.3	0.8	-3.2	-0.2	-1	3.6	-0.9	-2.1	1.2	4.8
15th	-0.3	1.5	-1	0.5	2.1	0.2	-1.1	0.1	0.9	-1.4
16th	-0.3	0.4	-1.2	8.7	-0.8	13.6	-0.8	2.4	-1	0.6
17th	-0.8	1.1	0.2	0.3	1.8	-1	0.1	-1	0.3	1.4
18th	0.9	0.5	1.9	1.5	0.8	2.1	0.4	0.2	-0.6	0.9
19th	0.5	0.5	0.2	0.4	-1.9	1.5	-0.6	-0.4	-1.3	0.3
20th	12	10.6	-4.7	-2.6	-24	0.6	-16.7	-8.5	-0.5	1

RUN 21   PT 23

V/OR = 0.151
VKTS = 60.1

ALFS,U = -10.01
MTIP = 0.606

CLRH/S = 0.030472
CXRH/S = 0.004907

CTH/S = 0.030861
CP/S = 0.002046

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	82		-30.4		26.3		-42.7		1.5	
RMS	13.3		13.1		22.2		38.3		11.7	
1/2 P-P	33.1		30.1		36.8		67.3		26.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	6.6	8.2	4.5	-11	6.7	-26.6	7.8	-37.6	0.6	-10.7
2nd	-3.8	-2.1	-7.8	0.5	-11.9	4.3	-27.2	15.4	-8.6	4.8
3rd	5.5	-0.4	4.7	-1.5	3	0.9	-0.9	19.9	-1	4.6
4th	-1.8	-4.4	-1.5	-4	-2.1	-3.2	1.6	4.8	3.9	-0.2
5th	5.2	3.9	5.8	2.1	4.7	2	-4.2	-3.4	-1.2	-1.4
6th	-1	4.4	-0.1	3.1	-0.2	2.5	0.4	-3.1	-1.9	1.2
7th	2.3	0.2	2.1	-0.4	1.3	0	-0.6	-0.3	0.8	-0.3
8th	0.7	7.6	1.9	5	0.9	2	0.2	0.7	1.9	-0.1
9th	-0.6	0.8	0.1	0.3	0.3	0.3	0.3	-0.5	0.2	0.2
10th	0.2	-0.8	0.3	-1	0.3	0.1	0.5	-1	-0.8	1.3
11th	0.3	-2.5	0.2	-1.7	0.4	0.5	0.4	-1.4	-0.5	1.3
12th	0.6	0.4	0.4	-0.3	0.1	0.2	0.4	-0.3	-0.1	-0.2
13th	-1.4	1.6	0	0.6	0.4	-0.1	0.6	-0.2	-0.3	0
14th	-3.5	1.3	-0.4	0.6	1.4	-0.4	1.4	-0.4	-1.4	0.5
15th	-2.2	-0.5	-0.6	0	0.9	0.4	1.2	0.4	-1	-0.1
16th	-0.5	0.3	-0.2	-0.2	0.3	0.1	0.4	0.3	-0.4	-0.6
17th	-0.2	1.3	0.1	-0.2	0	-0.2	-0.1	0.2	0.2	-0.7
18th	-0.1	1.1	0.2	-0.2	-0.1	-0.2	0	0.3	0.1	-0.3
19th	-0.2	1.1	-0.1	-0.3	-0.1	-0.4	0.1	0.4	-0.1	-0.7
20th	-1.8	0	0.2	0	1	-0.4	-0.2	0.3	1.4	-0.2

RUN 21   PT 23

V/OR = 0.151   ALFS,U = -10.01   CLRH/S = 0.030472   CTH/S = 0.030861
VKTS = 60.1   MTIP = 0.606   CXRH/S = 0.004907   CP/S = 0.002046

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	1		730.5		394.1		1410.5		-70.2	
RMS	89.6		72		97.9		86		59	
1/2 P-P	170.2		137.7		171		158.4		106.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	14.1	120.8	3.2	96.3	-14	130.2	-30.9	105.7	26.4	75.9
2nd	-5.7	-16.9	-0.7	-15.8	19.8	-26.7	27.3	-32.1	7.4	-0.9
3rd	3.8	-5.4	-5.9	2	-10.1	2.1	-9	-7.4	10.7	-2.3
4th	3.7	-6.1	7.4	-1	13.2	2.4	13.9	-1.6	-7.4	-6.3
5th	-10.3	0.3	-7.4	5.3	-7	7.7	1.7	7.2	-5.7	4
6th	0.8	-5	-1.3	-4.5	-3	-3.5	-3.9	-0.6	-4.4	3
7th	-3.3	3.7	-1.6	0.7	-0.3	-3.5	3.8	-7	-1.4	-0.6
8th	-0.6	-1.3	-1.4	-5.7	-0.5	-4.4	3.2	1.5	0.9	0.3
9th	-0.7	0.6	0	0.2	-0.1	-0.4	1.6	-0.9	-1.3	0.3
10th	5.4	-0.1	3.6	0.4	0.2	-0.3	-2	-1.3	-0.8	2.2
11th	-2.6	0.2	-2.2	3.7	-1.5	-0.5	2.2	-3.4	-1.6	0.9
12th	1.8	0	0.9	0.5	0.6	-0.7	0.3	-0.7	-0.5	1.7
13th	1.7	-1.3	2.6	-2.4	0.5	-0.6	0	0.3	-1.8	-0.7
14th	-0.3	-0.4	1.1	-0.3	-2.7	2	1.6	-0.4	-5.4	-0.6
15th	0.6	-0.6	2	1.4	-1.9	0.7	0.9	0.4	-0.5	0.1
16th	0	-0.2	0.6	0.5	-0.6	0	0.5	-0.2	-0.4	0.1
17th	0.2	-1	0.2	0.7	0.8	1.6	0.3	-0.3	-1.8	-0.5
18th	0.3	-0.9	-0.1	0.5	0.7	1.5	0.2	-0.2	-0.1	-0.6
19th	0.8	-0.7	-0.8	0.9	-0.5	2.4	-0.2	-0.4	-1.3	0.5
20th	0	0.3	1.1	-1.1	-1.8	-0.1	2.4	-2	-0.1	-0.9

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RUN 21 PT 24

V/OR = 0.151 ALFS,U = -10.01 CLRH/S = 0.039591 CTH/S = 0.040117
VKTS = 60.0 MTIP = 0.606 CXRH/S = 0.006491 CP/S = 0.002471

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	97.7		-19.3		33		-41.3		4.4	
RMS	17.6		12.7		23.3		43.2		14.7	
1/2 P-P	39.2		30.5		43.1		80.6		34.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	3.3	16.3	3	-9.4	5.6	-28.3	-0.1	-41.1	-2.4	-11.5
2nd	2.4	0.2	-4.6	1.2	-9.8	4.4	-30.3	13.7	-12.3	4.5
3rd	5.1	0.4	3	1.2	0	5.1	-4	28.1	-1.2	5.9
4th	-4.1	-7.9	-3.2	-6.4	-3.3	-4.8	2.5	6.2	6.4	0.7
5th	1.9	7.5	4.2	6.2	3.6	6.3	-2.4	-7.8	-1.2	-2.4
6th	-2.6	2.7	-1.6	2.1	-1	1.9	1	-2.7	-3.5	0.8
7th	3.3	2.5	3.2	0.6	1.9	0.2	-0.7	0.3	1.3	-0.1
8th	-3.5	9.2	-1	6.8	-0.3	2.7	-0.6	1	2	0.4
9th	-0.6	-0.3	0.1	-0.1	0.5	0.6	0.2	-0.7	0.5	0.5
10th	1.4	-1.7	1	-1.5	0.4	0.2	1.2	-1.3	-1.5	1.6
11th	-0.2	-1.5	0.3	-1.1	0.3	0.4	0.6	-0.9	-0.7	0.8
12th	1.3	-0.6	0.8	-0.9	-0.1	0.5	0.7	-0.4	-0.2	-0.3
13th	-0.9	1.2	0	0.4	0.1	0	0.4	-0.1	0	0
14th	-2.7	0.7	-0.3	0.6	1	0.1	1.1	0	-1.2	0.4
15th	-3.2	-1.1	-0.8	0	1.2	0.4	1.4	0.5	-1.5	-0.2
16th	-0.4	-0.1	0.1	-0.3	0.1	0.2	0.1	0.5	-0.1	-0.8
17th	-1	1.3	0.2	-0.1	0.1	-0.4	0	-0.2	0.4	-0.7
18th	-0.8	0.8	0	-0.4	0.1	-0.3	0	0.3	0.4	-0.5
19th	-0.7	0.8	0	-0.3	0.1	-0.4	0	0.4	0	-0.5
20th	-2.9	-0.4	0.2	0	1.4	-0.4	-0.2	0.2	1.7	-0.3

RUN 21   PT 24

V/OR = 0.151
VKTS = 60.0

ALFS,U =-10.01
MTIP = 0.606

CLRH/S = 0.039591
CXRH/S = 0.006491

CTH/S = 0.040117
CP/S = 0.002471

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-41.1		695		366.1		1394.9		-97.3	
RMS	164		129.8		151.6		127.7		79.2	
1/2 P-P	298.7		254		296.8		272.6		168.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-23.2	223.2	-23.5	173.7	-33.9	196.3	-41.3	150	25.6	102.9
2nd	26.8	-8.5	22.7	-12.4	39.1	-24.4	41.7	-31.5	19.5	6.6
3rd	32.1	-30.6	14.8	-22	10.8	-24.4	6.4	-29.8	13.8	-8.6
4th	2.1	1.3	9.6	12.2	16	19.3	16.3	13.6	-10.5	-11.7
5th	-9.5	1.8	5.9	26.4	12.9	43.6	24.1	53.3	-11	4.2
6th	2.8	-6.1	-0.8	0.8	-4.6	6.7	-8.3	9.9	-3.6	6.1
7th	-5.5	11.4	-3.9	2.2	-3.3	-6.4	2.8	-13.4	-1.3	1.7
8th	-1	-1.7	1.3	-7.1	2.3	-5.1	1.8	3.1	-0.1	0.8
9th	-6.5	-3.7	-3.1	-0.7	0.4	-0.9	6.4	0.1	-1	-0.2
10th	-4.3	-1.8	-3.9	1.2	-1.7	-0.5	4.1	-1.8	-1.6	0.8
11th	2.4	-8.5	0.2	-5.9	-0.7	-3.7	0.4	2.6	-1.7	1.2
12th	-0.5	-4.4	-3.4	-2.7	-1.2	-3.1	2.1	0.2	-0.2	-0.4
13th	-0.6	-1.3	-2.9	-0.9	-2.5	-0.3	1.4	0.2	-0.2	1
14th	-0.4	0.8	0.1	7.2	-3.2	8	1.6	-0.7	-4.3	-2.1
15th	0.4	-0.2	-0.7	0.8	-5.8	-0.1	0.7	0.4	-0.4	-1.2
16th	0.7	0.7	0.5	0.1	-0.4	-1.8	0.2	-0.4	-1.7	-0.7
17th	0.3	-0.9	0.3	0.1	-0.5	1.9	0.5	-0.6	-2.1	-1.1
18th	-0.3	1.9	0.6	-1.2	-0.2	-2.8	1	-2.6	-0.7	-0.3
19th	-0.8	1.4	0.4	-1.2	0.1	-2.8	0.3	-3.1	0.2	0.2
20th	1.6	4	-0.8	-1.7	-8.9	-2.8	-0.9	-3.7	-1.1	-1

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RUN 21   PT 25

V/OR = 0.151 ALFS,U = -10.01 CLRH/S = 0.049692 CTH/S = 0.050374
VKTS = 60.0   MTIP = 0.607   CXRH/S = 0.008275 CP/S = 0.003000

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	120.1		-5.1		41.5		-39.2		8.5	
RMS	28.7		14.1		24.8		49.9		18.7	
1/2 P-P	63.9		37.6		49.4		98.8		43.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	4	32.3	3.2	-4.7	4.8	-28.4	-9.4	-44.8	-5.1	-12
2nd	7.6	2.8	-1.6	1.8	-7.9	4.2	-33	11.4	-17.2	4.1
3rd	1.7	0.6	0	4.4	-3.6	9.5	-7.6	36.8	-2.1	6.8
4th	-6.1	-11.5	-5	-8.8	-4.9	-6.6	3.3	7.9	9.6	1.5
5th	-0.4	11.1	3	10.3	2.9	10.5	-1	-12.2	-0.9	-3.3
6th	-5.9	-0.4	-4.6	0.5	-3.2	1.5	2.7	-2.7	-5.3	0.5
7th	4.2	2	3.8	-0.2	2.2	-0.3	-1.1	0.9	1.2	-0.4
8th	-7.3	9	-3.6	7	-1.3	2.7	-1.3	1.2	2.3	0.3
9th	-0.7	-1.2	0.2	-0.8	0.6	0.3	0.4	-0.9	0.8	0.3
10th	3	-1.3	2	-1.6	0.1	0.1	1.8	-1.2	-2.4	1.6
11th	1.9	-1	1.5	-0.7	0	0.7	1.3	-0.5	-1.5	0.8
12th	1.3	-0.6	1.2	-0.7	-0.2	0.6	0.8	-0.2	0	-0.5
13th	-0.9	0.1	0.1	0.9	0.1	0.7	0.6	0.8	0.1	-0.8
14th	-2.7	-0.6	-0.4	0.5	1	0.5	1.1	0.7	-1.2	-0.3
15th	-2.1	-1.9	-0.9	-0.2	0.8	0.9	1	1.1	-1.2	-0.6
16th	-0.5	0.6	0.3	-0.1	0	0	0	0.2	0.1	-0.6
17th	-1.6	1	0.1	-0.3	0.4	-0.5	0.1	0.1	0.4	-0.9
18th	-1.5	0.8	-0.1	-0.4	0.3	-0.5	0	0.3	0.3	-0.7
19th	-1.5	0.4	0	-0.3	0.3	-0.4	-0.1	0.4	0.3	-0.6
20th	-2.8	-1.1	0	0	1.4	-0.2	-0.4	0.3	1.6	-0.1

RUN 21   PT 25

V/OR = 0.151   ALFS,U = -10.01   CLRH/S = 0.049692   CTH/S = 0.050374
VKTS = 60.0   MTIP = 0.607   CXRH/S = 0.008275   CP/S = 0.003000

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-33.6		706.6		371		1408.5		-119.3	
RMS	295.5		227.7		236.3		188		107.2	
1/2 P-P	508.6		446.9		487.6		408.1		246.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-40.8	406.5	-35.5	307.1	-39.5	308	-41.3	221.3	29.5	140.6
2nd	28.5	-12	21.3	-17.2	38.3	-29.1	43	-36.4	30.6	13
3rd	39.4	-64.3	15.8	-52.6	11.6	-57.5	5.9	-57	12.3	-14.7
4th	-1.7	11.3	9.5	30.6	17.6	42.6	16.8	36.1	-11.3	-16.9
5th	-8.4	-1	15.6	42.9	28	72.2	41.9	91.9	-14	4.5
6th	7.5	-11	2.7	5.2	-3.2	17.5	-11.7	23.1	-1.6	6.7
7th	-9	15.9	-5.5	5	-2.9	-6.2	4.7	-16.1	-1.4	2.9
8th	0	0.8	4.9	-6.3	4	-5.2	-0.4	2.4	-1	0.3
9th	-13.4	4.1	-6	5.1	0.8	-0.6	10.5	-5.2	-0.5	-1.3
10th	-6.1	3	-5.9	5.1	-1.4	0.6	6.9	-4.8	-1	0.9
11th	5.1	-14.9	-1	-12.7	-0.4	-7	1.3	7	-1.2	-0.7
12th	-2.6	-6.2	-6.6	-3.9	-3.5	-4.4	3.6	1.3	-1.3	-0.1
13th	6.9	5.3	14.5	7.5	9.8	5.7	-3	-1.3	2.7	-2.2
14th	0.1	1.1	0.5	10.2	-3.1	9.2	1.6	-0.2	-1.8	-3
15th	0.6	1.1	-2.4	3.1	-7.2	-0.3	0.3	1	1.5	-2.4
16th	1.2	0.8	0.3	-1.4	-0.1	-1.8	0.3	-0.7	0.7	-2
17th	0.1	2.2	-1.7	-0.9	-3.7	-0.9	-0.3	-2	-1.1	0.9
18th	0.2	3.3	0.4	-2.1	-1.8	-3.6	0.5	-3.5	-0.1	0.2
19th	3.6	3.3	-4.3	-1.2	-11.6	-2.7	-5.1	-3.6	-1.4	0.2
20th	-0.9	10.5	-0.6	-4.1	-11.3	-13.9	-1.8	-11.2	-0.9	-1.3

RUN 21   PT 26

V/OR = 0.151 ALFS,U =-10.01 CLRH/S = 0.058381 CTH/S = 0.059195
VKTS = 60.1   MTIP = 0.607   CXRH/S = 0.009797 CP/S = 0.003504

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	140		8.1		48.8		-37		11.8	
RMS	36		18.8		28.4		56.4		22.2	
1/2 P-P	71.3		54		57.4		115.1		52.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	9.7	38.6	5.7	-4	5.6	-30.5	-16.9	-49.1	-7.1	-12.8
2nd	9.3	5.9	-0.2	2.7	-6.5	4	-35	9.4	-21.1	3.8
3rd	-5	0.7	-4.8	5.4	-7.8	11.3	-11.1	42.3	-3.3	7.3
4th	-6.5	-15.6	-6	-11.3	-5.8	-8	2.8	9.4	11.7	2.3
5th	0.5	13.4	5.5	14.1	6.1	14.7	-3.4	-16.6	-1.4	-4.5
6th	-10.7	-2.5	-7.3	0.3	-3.9	1.7	3.3	-3.4	-7.2	0
7th	7.8	0.6	6	-1.1	3.2	-0.5	-1.1	1	1.3	-0.8
8th	-8.8	10	-4.8	8.3	-1.6	3.6	-1.8	1.2	2.8	0.8
9th	-1.3	-1.5	-1	-1.4	-0.2	-0.3	0.3	-0.8	0.8	0.3
10th	4.6	-1	2.5	-1.8	-0.2	0.1	2.6	-1.1	-3.3	1.5
11th	0.2	1	0.9	0.4	0.3	0.4	1	0.3	-1.7	0.1
12th	1.1	-0.7	0.7	-0.6	-0.4	0.6	0.4	-0.1	0.2	-0.6
13th	-0.7	0.8	0.1	0.2	0	0.2	0.4	0	0.5	-0.3
14th	-4	0.6	-0.3	0.5	1.4	-0.4	1.3	-0.2	-1.2	0.6
15th	-1.5	-1.9	-0.7	-0.1	0.6	0.9	0.7	1	-1	-0.3
16th	0.9	1.9	0.8	0.5	-0.7	-0.3	-1	-0.3	0.6	0
17th	-1.5	1.2	-0.1	0.2	0.3	-0.6	0.1	-0.4	0.4	-0.4
18th	-1.3	0.4	0.1	0.1	0.3	-0.3	0.1	-0.2	0.6	0
19th	-0.9	0.4	0.2	0	0.1	-0.3	0	0.4	0.2	-0.5
20th	0.1	-0.2	0.4	0.1	-0.1	0.3	-0.3	-0.1	0	0.6

D-199

RUN 21   PT 26

V/OR = 0.151	ALFS,U =-10.01	CLRH/S = 0.058381	CTH/S = 0.059195
VKTS = 60.1	MTIP = 0.607	CXRH/S = 0.009797	CP/S = 0.003504

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-18.2		715.8		373.9		1416.3		-133.5	
RMS	341.3		262.7		270.5		215.9		125.6	
1/2 P-P	568.2		514.4		551.6		461.6		226.5	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	39.2	471.4	23.4	355.5	8.4	354.1	-6.2	254.8	41.8	163.6
2nd	9.4	12.6	6.6	0.3	25.7	-13.2	35.2	-27.4	35	19.6
3rd	-8.9	-89.2	-28.9	-72.8	-28.9	-80.7	-27.6	-76.5	4.9	-17.1
4th	-2.3	7.1	8.7	33.2	15.5	48.5	14.8	43.2	-9.9	-22.4
5th	-3.3	-17	48.2	17.6	82.1	40.5	107.3	63.4	-18.2	4
6th	-5.3	-16	7.9	8.1	14.9	24.9	11.4	32.1	-1.6	4
7th	-3.9	8	-5.7	4	-5.7	-2.1	3.8	-8.9	-0.8	1.5
8th	3.4	-8.5	6.7	-12.1	4.8	-6.7	-1.5	7.2	-1.2	-1.7
9th	5	9.7	6	6.1	2.1	-0.1	-1.8	-7.2	0.6	0
10th	6	7.6	1.7	6.7	1	0.8	0.6	-6.6	-0.3	1.4
11th	-3.9	-9.5	-6.6	-7.6	-3.3	-3.8	4.9	4.6	-2.3	-0.5
12th	0	0.5	-1.6	1.5	-0.5	-1	1	-0.7	1.2	0.5
13th	1.8	-5.8	-0.9	-9.2	-0.5	-6	0.7	3.2	1.9	0.1
14th	0.2	-0.4	2.4	-2.6	-1.8	-0.8	2	0.4	-3.7	0
15th	0.2	-0.1	-1.3	-0.7	-4.4	-3.7	0.1	1.4	1.3	-2.3
16th	-0.2	-0.7	-3.9	2.3	-1	4.6	-0.9	0.6	-1.5	-2.2
17th	1.3	1	-0.4	-1.7	-1.7	0	0.3	-1.1	-1.2	-0.5
18th	0.7	-2.6	0.2	1.7	-0.2	5	1	1.4	0	-0.2
19th	0	3.8	-0.9	-2	-2.9	-3.9	-0.7	-3.4	0.9	0.3
20th	-0.9	-6.3	1.1	2.7	7.3	7.9	4.2	6.7	1	-1.3

D-200

RUN 21 PT 27

V/OR = 0.151	ALFS,U = -10.01	CLRH/S = 0.070126 CTH/S = 0.071094
VKTS = 60.1	MTIP = 0.605	CXRH/S = 0.011708 CP/S = 0.004251

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	166.7		25.6		60.1		-33.8		16.1	
RMS	47.3		23.7		31.8		64.7		26.9	
1/2 P-P	85.8		69		67.6		132.8		59.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	12.8	50.4	6.9	-1	5.5	-31.7	-26.8	-54.5	-9.6	-13.9
2nd	14.7	8.8	2.8	2.9	-4.8	2.8	-37.6	3.6	-26.2	2.1
3rd	-12	5.7	-11.5	9.7	-15.5	14.9	-20	48.4	-5.6	7.1
4th	-8.3	-19.2	-7.4	-14	-6.8	-10.3	2.6	11.6	14.9	3.9
5th	-1	14.5	4.8	15.1	5.2	15.7	-1.8	-17.8	-0.6	-4
6th	-16.2	-2.9	-10.7	-0.3	-5.4	0.8	4.4	-2.3	-9.2	-0.5
7th	9.3	-0.7	7.4	-2.6	3.8	-1	-1.1	1.3	0.9	-1.7
8th	-13.6	8.2	-7.7	7.4	-2.7	3.1	-2.9	1.1	2.9	0.9
9th	-1.5	-2.1	-1.6	-2	-0.8	-0.6	0.2	-1.1	1.2	0.7
10th	5.7	0	3	-1.2	-0.6	0.2	3.1	-0.7	-4.1	1.1
11th	-0.7	6	1.5	3.2	0.3	-0.1	1.5	2.4	-2.5	-1.8
12th	0.7	-1	0.3	-0.4	-0.6	0.9	0	0.6	0.7	-1.1
13th	0.5	0.4	0.6	0.6	-0.5	0.6	0.3	0.5	1	-0.7
14th	-3.5	0.6	-0.3	0.6	1.1	-0.2	0.9	-0.1	-0.9	0.6
15th	-0.5	-3.3	-0.7	-0.4	0.1	1.6	0.4	1.6	-0.8	-0.8
16th	1.2	0.8	0.7	0.1	-0.9	0	-1.1	0.2	0.6	-0.2
17th	-1.2	1	-0.2	0.5	0.4	-0.6	0.1	-0.6	0.1	0.1
18th	-1.3	0	0.1	0.4	0	-0.3	0	-0.4	0.5	0.2
19th	-0.4	-0.6	0	0.2	0.2	0.2	-0.1	0	0.1	0.5
20th	0.7	-0.5	0.1	0.2	-0.4	0.5	-0.3	0	-0.4	0.7

D-201

RUN 21 PT 27

V/OR = 0.151 ALFS,U =-10.01 CLRH/S = 0.070126 CTH/S = 0.071094
VKTS = 60.1 MTIP = 0.605 CXRH/S = 0.011708 CP/S = 0.004251

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	10.2		723.7		374.7		1417.8		-149.8	
RMS	369.6		282.8		291.6		222.5		145.9	
1/2 P-P	578.6		498.9		538.4		439.6		264.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	72.4	509.4	49	382.8	34.2	387.4	16.2	278.6	49.3	188
2nd	30.4	15.9	22.3	0.7	39.7	-10.6	47.9	-24	46.5	29.3
3rd	-1.4	-65.7	-25.2	-59	-25.9	-74.3	-29.5	-75.4	-0.4	-12.6
4th	-15.6	28.7	-4.6	68.5	-0.3	92.6	-1.1	86.5	-11.4	-29.3
5th	-18.3	-29.8	3	-1.4	16.6	11.9	36.6	35	-21.9	2.7
6th	-14.3	-2.8	11.7	6.2	25.4	11.9	23.9	10.5	-7.7	5.2
7th	-6.3	6.5	-9.3	5.8	-8.8	-0.2	3.5	-8.1	-3.2	2.2
8th	-1.6	-3.3	8.1	-8	7.2	-6.3	-1.1	3.1	-2.4	-1.8
9th	5.9	15.2	7.2	10.2	3.4	0.8	-3.1	-9.9	1.5	0.3
10th	12.3	7.1	4.6	4.8	2.5	0.3	-2.1	-4.2	0.3	1.6
11th	-1.1	-2.1	-3.8	-6	-2.1	-1.2	3.3	4.7	-3.9	-0.6
12th	-2.7	18	0.3	20.9	0.5	9	0	-8.4	0.5	-0.5
13th	3.3	0.1	2.7	-0.9	3	-1	-0.2	1.5	3.2	-3.2
14th	-0.1	0.1	1.2	-1.1	-1.6	1	1.2	0.9	-3.5	-1.6
15th	2.2	0.1	-0.6	3.8	-2.9	-0.9	-0.8	2	2.2	-1.8
16th	0	0	0.6	0	4.3	0	-0.1	0.2	-0.8	-0.2
17th	4	-1.8	-2.3	2.5	-4.5	7.4	-1.1	1.3	0	0.7
18th	0.7	-2	1.2	-0.9	1.2	1.6	2	0.4	0.8	-0.7
19th	5.2	-2.4	-1.1	1.8	-4.7	5.8	-1.9	4.8	-0.6	-0.1
20th	-1.8	-8.5	2.2	3.1	10.6	9	6.1	8.9	0.2	-0.2

D-202

RUN 21   PT 28

V/OR = 0.152   ALFS,U = -10.01   CLRH/S = 0.079015   CTH/S = 0.080148
VKTS = 60.1   MTIP = 0.602   CXRH/S = 0.013441   CP/S = 0.004950

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	189.5		40.9		69		-30.3		20.7	
RMS	55		27.7		35		70.8		30.4	
1/2 P-P	98.6		73.9		74.3		139.7		69	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	23	55.5	11.9	-0.1	7.5	-33.4	-33	-58.2	-11.1	-14.8
2nd	23.1	11.3	7.1	3.5	-1.9	2.5	-40.7	-0.8	-30.2	0.7
3rd	-13.4	8.2	-14.1	12.1	-19.5	17.2	-25.9	50.8	-7.4	6.4
4th	-8.1	-20.8	-7.8	-15.4	-7.4	-11.5	2.6	12.8	16.8	5.1
5th	-3.3	14.9	2	16.7	2	17.6	1.4	-19.3	0.9	-3.9
6th	-17.5	-4.1	-11.4	-2	-6	-0.7	4.9	-1	-10	-1.2
7th	10.2	-0.2	7.9	-2.3	3.8	-0.8	-1.3	1.3	0.4	-1.7
8th	-15.6	6.2	-9.3	6.5	-3.4	2.9	-3.4	0.7	2.7	1.3
9th	-0.9	-2.7	-1.3	-2.1	-1	-0.5	0.4	-1	1.4	1
10th	8	-0.5	4.1	-1.2	-1.1	0.7	3.7	-0.5	-4.7	1
11th	1.5	9.2	2.9	4.9	-0.2	-0.2	2.2	3.5	-3.2	-2.8
12th	0.3	-1.7	-0.1	-0.3	-0.5	1	0	0.7	0.6	-1
13th	1.3	-0.6	0.6	0.9	-0.9	1.2	0.2	1.4	1.2	-1.1
14th	-2.8	-0.1	-0.2	0.4	0.9	0	0.9	0.1	-0.7	0.3
15th	0.4	-3.5	-0.2	-0.7	-0.1	1.6	0.1	1.6	-0.6	-0.9
16th	1.8	1.5	1.1	0.5	-1.2	-0.2	-1.6	-0.2	1	0.1
17th	-1.2	0.8	0	0.3	0.1	-0.6	-0.1	-0.7	0.4	0.2
18th	-0.8	-0.7	0.3	0.4	0.3	0.1	0	-0.3	0.6	0.7
19th	-0.4	-1.6	0.2	0.2	0.4	0.5	-0.1	0.1	0.5	0.9
20th	0.8	-1.3	0.3	0.1	-0.1	0.6	-0.2	-0.3	0	1.1

D-203

RUN 21   PT 28

V/OR = 0.152   ALFS,U = -10.01   CLRH/S = 0.079015   CTH/S = 0.080148
VKTS = 60.1   MTIP = 0.602   CXRH/S = 0.013441   CP/S = 0.004950

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	45.8		735.4		378.8		1408.3		-160.9	
RMS	395.4		306.5		321.1		250.2		164.1	
1/2 P-P	625.2		565.9		619.8		538.4		298.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	90.1	539.8	58.4	407.3	44.1	416.1	27.8	301	61	207
2nd	57.6	17.1	40.5	-1.4	55.8	-10.7	61.2	-23.2	61.7	37.2
3rd	25.9	-59	-6.2	-60.5	-8.5	-81.1	-19.9	-83.6	0.4	-10
4th	-15.7	49.7	-5.7	98.1	-4.1	128.5	-5.6	121.2	-10.1	-32.7
5th	-22.6	-30.4	-24.5	18.4	-28	43.8	-15.6	74.7	-25.3	0.6
6th	-14	6.5	11.3	8.3	24.1	8.2	21.5	0.7	-8.5	5.8
7th	-7.3	-0.2	-10.9	5.1	-8.7	4.2	4.7	1.1	-2.8	3.7
8th	1.5	-1.9	10.8	-5.9	8.6	-4.8	-3.8	3.2	-2.2	-1
9th	4	12.9	5.8	9.7	4.5	0.5	-0.9	-7.9	3	1.2
10th	19.1	-0.8	6.3	-1.2	4.1	-2.3	-3.3	0.2	1.3	1.8
11th	7.5	-10	-0.9	-16.8	1.7	-5	1.7	11.6	-2.7	-0.8
12th	12.9	23.6	19.8	22	11.1	9.6	-8.3	-9.2	0.9	-0.8
13th	3.2	9.4	7.5	14.7	6.9	9.1	-2.1	-1.9	4.4	-3.5
14th	1.3	-0.6	3.5	-4.5	0.5	-3.1	0.9	1.6	-3.2	-0.9
15th	2.9	0.1	5.2	2.1	3.9	-2.9	-0.5	2.1	2.9	-1.9
16th	0.2	-0.7	-1.6	-4.1	3.3	-3.3	-0.7	-0.5	-0.1	-1.2
17th	0.2	-0.2	-0.4	-1.2	-1.1	1.9	0.2	-0.3	-0.6	-0.2
18th	0.5	-3.1	1.2	0	2	3.3	2.3	2.1	0.1	-1.3
19th	-0.7	0.1	-1.1	-1.3	-1.8	-3.1	0.9	0.4	-0.8	-1.6
20th	-3.8	-10.2	3.9	3.3	15.3	9.1	10.2	9.3	1.6	-1.4

RUN 21   PT 29

V/OR = 0.152 ALFS,U = -10.01 CLRH/S = 0.087855 CTH/S = 0.089108
VKTS = 60.1   MTIP = 0.604   CXRH/S = 0.014901 CP/S = 0.005638

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	209.9		54.5		77.9		-27		25.1	
RMS	62.5		32.6		38.9		77.2		34.2	
1/2 P-P	108.7		86.5		82.5		152.6		74	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	27.9	61.1	14	0.4	8	-35.2	-39.2	-62.7	-12.3	-16.2
2nd	27.8	12.6	9.7	3.6	0	1.9	-43.9	-6.1	-34.6	-1.3
3rd	-18.6	13.7	-20.1	15.7	-26.5	19.6	-33.8	51.8	-9.6	5.3
4th	-4.9	-23	-6.7	-17.3	-7	-13.3	1.1	14.2	18.8	6.5
5th	-3.4	15.2	1.5	16.7	0.8	17	2.7	-18.4	1.9	-2.9
6th	-17.1	-3.4	-12	-2.5	-7.2	-2.2	6.2	0.2	-10.9	-1.8
7th	11.6	-1.8	8.6	-3.1	4.1	-1.2	-1.1	1.1	-0.1	-2.7
8th	-21.5	3.3	-14.1	4.7	-5.1	1.6	-4.3	0.6	1.9	1.1
9th	-0.6	-3.6	-2	-2.7	-1.8	-0.5	0.5	-1.5	1.1	1.7
10th	7.3	0.6	4	-0.5	-1.1	0.7	3.6	0.1	-4.6	0.4
11th	-5.3	12.2	-0.5	7.5	0	-0.7	0	5.4	-1.6	-4.6
12th	0.7	0	0.5	0.5	-0.7	0.8	0.2	1	0.5	-1.3
13th	0.7	0.3	0.5	0.9	-0.8	0.7	-0.1	1.2	1.3	-0.6
14th	-2	-0.1	-0.3	0.5	0.3	0.1	0.2	0.3	-0.4	0.3
15th	0.6	-4.3	-0.4	-0.9	-0.2	1.8	0.1	1.9	-0.7	-1.5
16th	1.2	1.5	0.7	0.4	-1	-0.4	-1.3	-0.4	0.8	0.2
17th	-1.3	0.1	0	0.4	0.3	-0.3	0.2	-0.6	0.3	0.4
18th	-0.6	-0.5	0.2	0.5	0.2	0	0.1	-0.3	0.5	0.8
19th	0.6	-1.6	0.2	0.2	0	0.8	-0.3	0.1	0	1.2
20th	0.9	0	0.4	0.2	-0.4	0.3	-0.4	-0.1	-0.5	0.6

RUN 21   PT 29

V/OR = 0.152   ALFS,U =-10.01   CLRH/S = 0.087855   CTH/S = 0.089108
VKTS = 60.1   MTIP = 0.604   CXRH/S = 0.014901   CP/S = 0.005638

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	59.5		735.2		369.7		1410.5		-173.7	
RMS	418		329.1		350.8		273.8		180.6	
1/2 P-P	624.8		577.3		668.3		564.9		321.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	113.9	566	76.1	428.3	62.5	443	46.5	320.5	71.5	225.6
2nd	64.7	8.7	45.6	-9.4	60.9	-15.2	69.1	-24.9	70.4	44.6
3rd	32.7	-38.6	-4.5	-51.7	-7.9	-80.1	-23.6	-86.1	-3.5	-1.8
4th	-7.4	66.8	-0.5	125.1	-2	164.4	-5.7	157	-4.5	-34.7
5th	-32.2	-49	-61.2	-23.4	-80.3	-18.4	-73.1	8.5	-27.4	-1.5
6th	-8.2	17.4	6.4	6.9	11.9	-1.4	3.1	-15.5	-9.6	9.6
7th	-8.3	-4.8	-12.9	4.6	-10.3	5.2	5.3	1.4	-4	3.2
8th	1	7.4	14.6	-0.1	9.7	-3.1	-9.4	-2.9	-4.9	-1.1
9th	11.1	9.5	9.4	8.1	5.1	2	-6.1	-4.9	4.8	1.2
10th	13.7	-5	2.2	-4.2	2.2	-2.4	-1.9	4	1.6	1.6
11th	18.3	3.7	15.8	-11.8	6	0	-9.5	8.9	-2.1	-0.4
12th	20.9	16.6	26.2	10.9	15.9	3.9	-10.6	-4.3	1.5	-0.4
13th	-0.9	8.7	-0.1	13.1	1.7	9	-0.3	-1.4	2	-1.2
14th	0.7	-0.1	2	-1.7	0.4	-0.7	-0.2	1.4	-0.7	0.2
15th	1.9	0.5	3.6	4.5	2.6	-1.9	-0.6	2.5	2.8	-0.8
16th	0.3	0	-0.9	-3.5	3.6	-2.4	-0.4	-0.9	0.6	-0.1
17th	0.1	-0.5	0.9	-0.4	0	1.7	0.8	0.3	-0.2	0.4
18th	0.3	-2.5	0.5	-0.2	1.3	1.6	1.6	1.6	-0.5	-1.4
19th	-2.1	-0.9	0.8	0.4	2.9	-2.1	2	2.2	0.7	-1.2
20th	-6.7	-11.1	3.4	3.1	19.5	9.2	12	8.4	0.1	0.6

D-206

RUN 21   PT 30

V/OR = 0.152   ALFS,U = -10.01   CLRH/S = 0.096446   CTH/S = 0.097821
VKTS = 60.1   MTIP = 0.604   CXRH/S = 0.016358   CP/S = 0.006380

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	230.9		68.7		85.2		-22.9		30.1	
RMS	69.6		36.4		42.3		83.5		37.6	
1/2 P-P	118.8		92.7		88.7		164.8		78.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	35.7	66.6	17.9	1.5	9.6	-36.5	-44.1	-67.2	-13.4	-17.2
2nd	33.7	15.7	12.7	4.5	1.7	1.7	-47.5	-10.8	-38.6	-3.7
3rd	-20.2	18.6	-23.8	18.5	-31.9	21.2	-41.7	51.8	-11.7	3.7
4th	-1.1	-23.3	-5	-17.9	-6.7	-13.5	0.3	14.4	20.6	7.7
5th	-2.3	16.4	1.1	17.6	-1.1	17.3	5.2	-18	3.2	-2.2
6th	-14	-5.2	-11.2	-4.2	-7.6	-3	7.1	0.9	-10.8	-2.6
7th	14.1	-2	10.4	-3.4	4.7	-0.9	-0.8	1	-0.2	-3
8th	-21.8	3.1	-14.5	4.8	-5.6	1.9	-4.3	0.3	1.6	1.7
9th	0	-3.8	-1.5	-2.4	-1.8	-0.1	0.6	-1.8	1.6	2.1
10th	7.5	1.2	3.8	0.1	-1.3	0.5	3.6	0.3	-4.5	0.2
11th	-5.3	10.9	-0.8	7	0	-0.7	-0.2	5.1	-1.4	-4.5
12th	0.1	-0.9	0.2	0.8	-0.7	1.1	0.2	1.3	0.5	-1.3
13th	0.9	-0.2	0.2	1	-1	0.7	-0.2	1.3	1.2	-0.6
14th	-0.4	-1.1	-0.3	0.5	-0.3	0.6	-0.3	1	0.2	-0.4
15th	2.6	-4.1	0.1	-1.3	-0.8	1.8	-0.6	2	0.3	-1.7
16th	0	1.7	0.3	0.8	-0.6	-0.8	-0.6	-0.8	0.4	0.5
17th	-0.7	-0.6	0	0.2	0.2	0	0.1	-0.2	0.3	0.4
18th	-0.4	-0.9	0.1	0.4	0.3	0.3	0	-0.2	0.2	0.8
19th	1.1	-0.9	0.3	0.2	-0.4	0.6	-0.3	0	-0.4	0.7
20th	2	-1.1	0.3	0.1	-0.4	1	0	-0.3	-0.5	1.2

D-207

RUN 21 PT 30

V/OR = 0.152 ALFS,U = -10.01 CLRH/S = 0.096446 CTH/S = 0.097821
VKTS = 60.1 MTIP = 0.604 CXRH/S = 0.016358 CP/S = 0.006380

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	73.9		732.1		360		1400.9		-186.7	
RMS	438.6		355		388.5		313.4		198.6	
1/2 P-P	643.1		607.4		718.5		626.5		355.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	142.8	584.3	96.1	444.8	81.1	465.9	64.6	339	82.9	245.3
2nd	76.6	10.6	53.6	-11	70.6	-14.7	79.1	-23.2	80.7	55.6
3rd	54	-27.4	7.4	-53.4	2.7	-88.2	-19.7	-98.2	-1.9	8.4
4th	7.9	79.3	9.4	145.4	4.2	191.5	-1.8	184.9	2.7	-35.4
5th	-44.6	-61.8	-112.3	-45.8	-154.8	-50.3	-155	-22.8	-26	-1.4
6th	0.5	19	2.7	11.6	0.4	4.1	-12	-9.7	-7.6	9.8
7th	-10.2	-7.9	-16.2	5.1	-11.2	7.5	7.6	5.8	-5.5	1.7
8th	5.5	6.4	16.8	0.3	9.7	-0.7	-12.4	1.4	-4.4	0.1
9th	3.6	6.6	4	8.1	5.2	2.8	-0.3	-1.7	4.8	1.8
10th	11.7	-4.3	0.6	-3.7	3.2	-1.2	0.5	4.7	0.6	2.2
11th	8.7	3.8	8.8	-8.9	3.6	0.3	-4.8	8.2	-1.8	-1
12th	28.5	22	36.9	14.7	21.7	6.3	-14.9	-6	3.1	-2.6
13th	0.6	6	1.3	8.6	3.2	4.9	-1.1	-0.1	4.4	-2.4
14th	2.7	0.7	3.5	0	3	-0.8	-1.3	1.8	3.3	-1.7
15th	1.7	0.9	5.4	6.5	7.8	0	-1.2	2	5	0.4
16th	0.9	-0.3	-0.2	-4.5	2.3	-1.2	0.1	-0.7	1.1	0
17th	-1.1	-1.5	1.7	0.4	2.6	1.9	1.8	0.9	-2.3	-0.6
18th	0.7	-2.7	0.1	1.4	0.1	3.2	1.2	2.9	0.9	-1.5
19th	-2.5	0	0.4	-1	2.6	-4.1	0.6	-0.1	-0.8	-1.6
20th	-5.5	-11	4.4	3.7	18.5	7.4	10.8	9.4	1.7	-1.6

RUN 21 PT 31

V/OR = 0.154
VKTS = 60.1

ALFS,U = -10.01
MTIP = 0.595

CLRH/S = 0.021538
CXRH/S = 0.003197

CTH/S = 0.021766
CP/S = 0.001703

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	56.3		-41.8		16		-43.3		0.7	
RMS	11.7		14.5		22.5		36.4		10.1	
1/2 P-P	33.2		30.4		41.9		65.7		23.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	7.1	0.8	5.6	-12.7	8.4	-25.7	15.7	-35.3	3.2	-10.2
2nd	-4.8	-2	-8.6	1.3	-12.6	5.5	-24	17.9	-5.5	4.9
3rd	8	-2.6	7.5	-4.8	6.5	-3.1	3.6	13.7	-0.4	3.6
4th	0	-0.9	0.4	-1.7	-0.4	-1.3	1.2	2.8	2.3	-0.5
5th	5.6	2.1	5.9	0.6	4.6	0.7	-4.6	-1.4	-0.8	-0.9
6th	-0.1	4.4	0.7	3.5	0.4	2.7	0	-2.9	-1	0.7
7th	-0.1	0.6	0.5	0.1	0.6	0.2	-0.2	-0.1	0.1	-0.1
8th	0.7	4.6	1.3	3	0.6	1.2	0.1	0.5	1.1	-0.4
9th	-1	1.1	0	0.6	0.5	0.2	0.1	-0.3	0.6	-0.1
10th	-0.7	-0.2	-0.1	-0.4	0.1	0.1	0.4	-0.7	-0.3	0.9
11th	-1.3	-2.5	-0.6	-1.5	0.6	0.4	-0.1	-1.4	-0.1	1.3
12th	0.6	0.3	0.6	-0.4	0.1	0.1	0.7	-0.6	-0.6	0.1
13th	-1.1	1.1	0.1	0.4	0.4	-0.1	0.6	-0.1	-0.3	-0.1
14th	-2	2.1	-0.1	0.4	0.7	-0.7	0.7	-0.7	-0.6	0.9
15th	-2.1	0.2	-0.4	0.3	0.8	0.1	1.1	0.1	-1	0
16th	-0.4	-0.2	-0.2	-0.4	0.2	0.3	0.4	0.5	-0.4	-0.7
17th	-0.2	0.8	-0.1	-0.2	0.1	-0.1	0.2	0.3	-0.2	-0.8
18th	0.1	1	0.1	-0.3	0	-0.2	0.1	0.4	0.1	-0.5
19th	-0.6	1.2	-0.1	-0.2	0	-0.5	0.1	0.4	0	-0.8
20th	-2.9	0.6	0.1	0	1.3	-1.1	0	0.3	1.6	-1.1

RUN 21 PT 31

V/OR = 0.154 ALFS,U = -10.01 CLRH/S = 0.021538 CTH/S = 0.021766
VKTS = 60.1 MTIP = 0.595 CXRH/S = 0.003197 CP/S = 0.001703

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-40.3		690.7		377.4		1356.1		-52	
RMS	54.1		48.6		78.3		74.3		47.3	
1/2 P-P	90.1		91		142.9		141.4		80.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	12.7	71.9	3	61.9	-18.4	98.1	-35.7	84.5	25.6	58.4
2nd	4	-13.3	6.9	-12.2	26.1	-23.9	30.7	-29.5	3.7	-4.8
3rd	-4	4.2	-12.5	11.4	-18.2	14.7	-15.8	3.1	10.1	-3
4th	-0.5	-6.9	1.8	-5.3	5.6	-4	8.8	-6.7	-8.3	-1.8
5th	-8.9	1.4	-5.8	6	-4.9	8.2	3.9	7.9	-3.5	2.7
6th	0.7	-6.3	-3.8	-4.7	-7	-3.4	-7.4	0.9	-3.8	2
7th	-0.4	2.9	0	-0.1	-1	-3.2	-0.3	-6.1	-2.3	-0.7
8th	2	0.4	0.1	-3.6	-0.6	-3.7	0.2	-1.5	-0.8	0.2
9th	-1.8	1.6	-0.1	0.8	-0.4	-1.2	1.6	-3.1	-0.6	-0.1
10th	4.4	0.6	3.6	0.4	0	0	-1.9	-1.6	-0.6	1.5
11th	-0.7	0.2	0.9	2.9	-1.2	0	0.2	-3	-2.2	0.1
12th	1.2	0.7	0.8	1.4	0.5	0.7	0.3	-1.2	-0.2	0.5
13th	2.5	-0.1	3.9	-1.1	2.2	0	-0.3	0.1	0.1	-1.4
14th	0	-0.3	0.5	-1.1	-1.8	1.5	0.8	-0.9	-3.6	2
15th	0.1	-0.5	1.1	0.4	-2.3	1.3	0.9	0.2	-1.4	-2
16th	0	-0.1	0.5	1.2	-0.6	0.3	0.1	-0.3	0.6	-0.1
17th	0.2	-0.7	0.6	0.6	0.6	1.6	0.4	-0.1	-0.6	0.5
18th	-0.4	-0.7	-0.1	0.2	0.7	0.9	0.5	-0.7	0	-0.4
19th	0.7	-0.8	0	0.3	-0.7	2.8	-0.1	-0.7	-0.3	0.2
20th	0.4	-0.4	1.5	-0.6	-2.5	2.6	2.9	-1.9	-1.4	-0.8

RUN 22   PT 12

V/OR = 0.151   ALFS,U = -9.99   CLRH/S = 0.022741   CTH/S = 0.023013
VKTS = 60.4   MTIP = 0.607   CXRH/S = 0.003553   CP/S = 0.001746

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	81		-37.1		16.1		-42.2		-8.2	
RMS	11.4		14.4		22.1		36.2		10.5	
1/2 P-P	31.6		31.2		39		65.4		24.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	6	-0.3	4.5	-13.3	7.1	-25.7	14.9	-34.8	3.2	-10.5
2nd	-4.8	-2.1	-8.7	1.1	-12.7	5.3	-25.2	17.2	-6.1	5
3rd	7.4	-2.1	6.8	-4.1	5.5	-2.4	2.8	13.8	-0.7	3.9
4th	-1.8	-2	-1.2	-2.3	-1.9	-1.6	1.9	3.4	2.6	-0.5
5th	5.3	1.2	5.2	-0.3	4	0.2	-4.1	-1	-0.7	-0.9
6th	0.6	3.3	1.1	2.5	0.7	2.1	-0.2	-2.6	-1.2	1
7th	1.2	0.4	1.3	0	0.8	0.1	-0.2	-0.2	0.3	0
8th	0.4	6.2	1.5	4.1	0.7	1.6	0.3	0.6	1.1	-0.3
9th	-1.3	1.7	-0.1	1.1	0.2	0.4	0.1	0	0.4	-0.2
10th	-1.1	-0.1	-0.4	-0.3	0.2	0.1	0.3	-0.6	-0.2	0.9
11th	-0.2	-3.7	-0.4	-2.3	0.4	0.7	0.2	-1.7	-0.3	1.6
12th	0.7	-0.6	0.4	-0.8	0	0.2	0.5	-0.5	-0.5	-0.1
13th	-0.2	1.2	0.3	0.2	0.1	0	0.4	-0.2	-0.1	0
14th	-2	2.2	0.1	0.4	0.9	-0.8	0.9	-0.8	-0.9	0.8
15th	-2.3	-0.3	-0.8	0	1	0.2	1.3	0.2	-1.1	0
16th	-0.3	-0.4	-0.1	-0.4	0.2	0.4	0.4	0.5	-0.3	-0.7
17th	0	1.2	0.2	-0.2	0	-0.2	0.1	0	-0.1	-0.5
18th	0.4	1	0.1	-0.2	-0.1	-0.1	0.1	0.2	-0.1	-0.3
19th	0.2	0.9	0	-0.2	-0.2	-0.2	0.3	0.3	-0.2	-0.3
20th	-0.1	0	0	0.1	0.4	0.1	0.2	0.1	0.5	0.1

RUN 22   PT 12

V/OR = 0.151   ALFS,U = -9.99   CLRH/S = 0.022741   CTH/S = 0.023013
VKTS = 60.4   MTIP = 0.607   CXRH/S = 0.003553   CP/S = 0.001746

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-46.9		732.4		361.3		1411.6		-45.5	
RMS	57.7		51.2		79.3		73.9		51.7	
1/2 P-P	96.5		89.4		138.2		144.4		88.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	11.8	77.5	1.8	66.2	-16.7	100.1	-34.7	84	28.7	63.9
2nd	1.5	-14.2	5.2	-13.4	25.1	-24.8	30.4	-30.4	5.5	-4.4
3rd	-0.7	4.4	-7.7	11	-13.2	14	-11.6	3.3	10.1	-1.8
4th	0.4	-7.4	3.4	-5.1	8.5	-3.2	9.1	-6.3	-8.5	-4
5th	-8.4	2	-7.5	8.5	-7.8	12.4	-1.4	11.2	-3.1	2.5
6th	0.1	-6	-3.4	-2.4	-4.9	0.6	-4.5	4.9	-1.1	2
7th	0	1.9	-1.1	-0.1	-1.9	-2.4	-1.1	-4.1	0	0.1
8th	0.2	-0.7	-0.9	-4.8	-0.5	-3.9	2.2	0.6	-0.9	0
9th	-1.7	-1.1	-0.6	-1.6	-0.1	-1	2.2	0.6	-0.3	1
10th	3.8	0.7	3.3	0.5	0	-0.1	-2	-1.6	-1.3	1.1
11th	-1.2	0.4	0	3.8	-1.1	-0.5	0.7	-3.7	-1.8	0.5
12th	1	0.7	0.7	1.5	0.2	-0.3	0.2	-1.3	-0.3	1.7
13th	1.5	-0.7	1.7	-1.5	1.4	-0.8	0.1	0.2	-0.4	0.2
14th	-0.2	0.1	1.3	-0.4	-1.1	2.5	1.2	-0.5	-6	0.8
15th	0.2	-0.5	1.8	1.3	-2.6	0.8	0.7	0.1	0.5	-0.9
16th	0.1	-0.3	0.5	1.8	-0.2	-0.2	0.4	0.2	1.1	0.6
17th	0	-0.7	0	0.5	0.8	1.3	0.2	-0.3	0	-0.3
18th	-0.1	-0.7	-0.2	0.6	0.9	0.6	0.1	-0.3	-1.9	0.4
19th	0.9	-0.2	-0.5	0.5	-0.5	1.4	-0.8	-0.2	0.3	0.6
20th	-0.2	-0.1	0.3	-0.1	0.1	-0.3	1.3	0.1	-0.3	-1.7

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RUN 22   PT 13

V/OR = 0.151 ALFS,U = -9.99 CLRH/S = 0.029909 CTH/S = 0.030279
VKTS = 60.3   MTIP = 0.604   CXRH/S = 0.004742 CP/S = 0.002020

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	97		-27.1		21.7		-41.8		-6.1	
RMS	11.8		14.1		22.4		38.2		11.9	
1/2 P-P	31.1		29.7		36.6		67.7		28.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	1.4	2.7	2.1	-13.3	5.4	-27	8.5	-37.1	0.8	-10.8
2nd	-4.2	-1.5	-8.3	1.1	-12.4	4.7	-27.3	16.2	-8.5	5
3rd	6	-0.3	4.9	-1.6	3.3	0.6	0.3	19.6	-0.8	4.8
4th	-2.6	-4.2	-1.9	-3.6	-2.4	-2.4	2.1	4.7	4	-0.3
5th	4.6	3.4	5.3	1.5	4.3	1.5	-4.2	-2.9	-1.3	-1.3
6th	-0.4	3.9	0.3	2.9	0.4	2.2	0	-2.8	-1.9	1.1
7th	2.9	1.1	2.5	-0.1	1.3	0.2	-0.4	0.1	1	0
8th	-0.4	8.2	1.1	5.7	0.4	2.3	0.1	0.8	1.6	0.2
9th	-1.3	1	-0.3	0.8	0.4	0.4	0.3	-0.4	0.2	0
10th	-0.7	-0.6	0	-0.6	0.2	0.2	0.5	-0.8	-0.6	1.2
11th	0.3	-5.6	-0.3	-3.4	0.3	0.8	0.3	-2.4	-0.4	2.1
12th	0.4	-0.8	0.2	-1.1	0.1	0.2	0.4	-0.5	-0.2	-0.2
13th	-0.7	1.3	0.2	0.3	0.3	0	0.5	-0.2	-0.2	-0.1
14th	-3.2	2.1	-0.1	0.6	1.2	-0.8	1.1	-0.7	-1.3	0.9
15th	-3.3	0.1	-1	0.3	1.3	-0.1	1.5	0	-1.4	0.1
16th	-0.2	0.1	-0.1	-0.4	0.2	0.2	0.2	0.4	-0.2	-0.7
17th	-0.1	1.4	0.2	0	0	-0.3	0.1	0	0	-0.6
18th	0.1	1	-0.1	-0.3	0	-0.2	-0.1	0.3	0.1	-0.4
19th	-0.5	1.3	0	-0.2	0	-0.5	0.1	0.2	-0.1	-0.7
20th	-0.9	-0.3	-0.2	0	0.8	-0.2	0.1	0.2	1	0

RUN 22   PT 13

V/OR = 0.151   ALFS,U = -9.99   CLRH/S = 0.029909   CTH/S = 0.030279
VKTS = 60.3   MTIP = 0.604   CXRH/S = 0.004742   CP/S = 0.002020

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-4.5		747.5		372.4		1414.4		-54.2	
RMS	91.4		74.8		98.4		85.6		58.2	
1/2 P-P	150.4		132.9		166		153.1		108.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	23.5	124.1	12.2	100.5	-8.2	131.5	-28.3	105.5	29.8	72.6
2nd	-9.1	-17.7	-3.5	-16.7	18.3	-27.7	27	-32.8	7.7	0.5
3rd	2.2	-1.5	-6.8	5.4	-10.3	5.7	-9.4	-4.4	11.5	-2.2
4th	3.3	-5.6	8.1	-0.8	13.1	2.1	13.6	-0.6	-9.4	-6.1
5th	-11.2	0.8	-9.2	6.8	-9.4	9.3	-2.3	9.2	-5.7	4.1
6th	0.2	-6.9	-2.4	-1.3	-4	3.8	-4.4	8.1	-3.9	3.5
7th	-1	2.3	-2.1	0.3	-2	-1.5	1.7	-3.5	-0.6	1.1
8th	-0.1	-2	-0.6	-6.8	0	0	2	2.8	0.7	1
9th	-1.7	-0.8	-0.4	-0.7	0.3	-0.9	2.6	-0.1	-0.6	-1.2
10th	3.3	0.9	2.9	1.1	0.2	0	-0.9	-2.1	-2	0
11th	-1.9	1.2	-0.8	6.5	-1.1	0	1.5	-5.7	-2.5	0.3
12th	1.1	0.8	0.9	2.5	-0.2	0.5	0.2	-1.8	-0.3	0.9
13th	1.7	-0.5	2.7	-1.1	1.5	-0.2	0.3	0.1	0.2	0.5
14th	-0.1	-0.2	1.4	-0.8	-2.3	2.6	1.4	-0.8	-7.8	-0.9
15th	0.4	-0.7	1.7	0	-3	1.2	1.1	0.2	-0.7	-0.1
16th	0	-0.2	0.7	1.1	-0.2	0.2	0.6	-0.2	-2.5	0
17th	0.2	-0.8	-0.2	0.3	0.5	1.8	0.4	-0.5	-0.3	0.3
18th	-0.4	-0.7	0.2	-0.1	0.7	1.1	0.5	-0.6	-0.3	-0.3
19th	0.9	-1	-0.1	0.5	-0.7	2.9	0.2	-0.3	-1.8	-0.9
20th	-0.6	0.7	0.4	-0.2	-1.3	-1.1	2	-1.2	0.6	-0.4

RUN 22   PT 14

V/OR = 0.151   ALFS,U = -9.99   CLRH/S = 0.039674   CTH/S = 0.040197
VKTS = 60.4   MTIP = 0.607   CXRH/S = 0.006481   CP/S = 0.002466

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	113.4		-16.4		28.8		-39.9		-3.3	
RMS	16.5		13.2		23		43		14.8	
1/2 P-P	41.1		29.7		44.3		80.6		34.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	1.5	13.1	2	-10.5	4.3	-28	-0.5	-40.2	-2.3	-11.5
2nd	1.9	-0.1	-5.2	0.8	-10.4	3.8	-30.1	13.5	-12.2	4.4
3rd	5	1.5	2.6	2.2	-0.5	5.7	-5.1	29.1	-1.4	6.2
4th	-4.2	-8.3	-3.4	-6.6	-3.6	-4.7	2.2	6.3	6.4	0.7
5th	2.1	6.6	4.2	5.3	3.5	5	-2.3	-6.9	-1.4	-2
6th	-2.5	2.7	-1.4	2.1	-1	1.8	1.2	-2.4	-3.7	0.9
7th	4.4	2.4	3.9	0.2	2.1	-0.1	-0.8	0.6	1.6	-0.4
8th	-4.1	9.6	-1.4	7	-0.5	2.4	-0.7	1.1	2	0.3
9th	-1.2	-0.2	-0.5	-0.1	0.4	0.4	0.3	-0.6	0.4	0.5
10th	0.7	-1.3	0.9	-1.1	0.3	0.1	1.2	-1.1	-1.6	1.5
11th	0.7	-4	0.2	-2.5	0.3	0.7	0.7	-1.7	-0.8	1.5
12th	1.1	-1	0.6	-1.1	0	0.4	0.5	-0.5	0.1	-0.4
13th	-0.5	1.4	0.3	0.2	0	-0.1	0.4	-0.3	0	0.1
14th	-3.8	1.3	-0.5	0.7	1.6	-0.6	1.4	-0.3	-1.6	0.6
15th	-2.2	-2.4	-1	-0.5	1	1.1	1.3	1.3	-1.2	-0.9
16th	-0.4	0.6	0.3	-0.2	0	-0.1	-0.1	0.2	0.1	-0.7
17th	-0.8	1.4	0.2	0	0.2	-0.6	-0.1	-0.1	0.3	-0.6
18th	-0.6	0.7	0	-0.4	0.3	-0.1	0	0.4	0.4	-0.4
19th	-0.2	1.4	-0.1	-0.2	-0.4	-0.6	0.1	0.5	-0.3	-0.8
20th	-2.1	0.2	0.1	0	1.1	-0.5	-0.2	0.4	1.3	-0.2

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RUN 22   PT 14

V/OR = 0.151   ALFS,U = -9.99   CLRH/S = 0.039674   CTH/S = 0.040197
VKTS = 60.4   MTIP = 0.607   CXRH/S = 0.006481   CP/S = 0.002466

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-56.3		714.9		345.8		1417		-82.1	
RMS	156.6		124.5		145.9		122		75.2	
1/2 P-P	292.8		232.1		278.5		260.8		138.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-25.6	212.7	-24	166.3	-32.8	188.8	-40.2	143.6	25.9	96.9
2nd	23.7	-11	20.8	-13.8	38.4	-24.4	41.3	-31.7	19.5	5.6
3rd	32	-28.4	14.5	-20.8	11.7	-23.1	6.6	-28.2	15.8	-6.9
4th	3.3	0.9	10.8	11.9	18	19.2	17.1	14.4	-10.5	-11.3
5th	-11.3	2.1	-1.7	25.9	2	41.6	11.5	50.3	-9.9	3.9
6th	4.1	-5.2	-1.1	0.8	-5.6	6.1	-9.6	9.5	-1.3	5.9
7th	-7.4	10.3	-5.3	2.4	-2.2	-5.2	5.1	-11.7	-1.9	1.5
8th	-2	0.4	1.2	-6.7	2.3	-4.8	1.4	2	0.3	0.5
9th	-3.8	-2.7	-1.3	-0.8	0.2	-0.5	3.9	0.4	-0.5	-0.2
10th	-2.4	-2.2	-2.5	0.3	-1.5	0	3.1	-1.4	-2.3	0.5
11th	0.5	-3	-0.1	1.5	-0.8	-1.9	1.1	-2	-1.9	-0.2
12th	4.7	-4.9	2.5	-5	1.6	-4.5	-0.5	0.9	-0.4	1.1
13th	1.2	-3.6	-0.4	-6.5	-0.3	-3.8	0.9	1.3	-1.1	0.4
14th	-0.4	0.1	-1.4	2.2	-6.4	5	2.2	-0.3	-7.2	-2.3
15th	0.7	-0.5	1.5	1.6	-3.4	-1.2	0.4	0.9	1.4	-1.3
16th	0.5	0.5	-0.8	-0.3	-1	-0.8	0.1	-0.7	-1	-0.9
17th	0.6	-0.5	0.3	-0.2	0.3	1.8	0.7	-0.8	-0.2	-0.2
18th	-1.1	0.1	0.8	-0.2	1.2	-0.7	1.8	-1.1	-1.2	0.6
19th	1.2	0.6	-1.4	-0.5	-2.4	0.6	-1.7	-1.6	-0.3	0.9
20th	0.8	-0.2	0.1	-0.5	-3.1	2.2	1.8	-0.3	0.7	-0.4

D-216

RUN 22   PT 15

V/OR = 0.151   ALFS,U = -9.99   CLRH/S = 0.048909   CTH/S = 0.049579
VKTS = 60.4   MTIP = 0.606   CXRH/S = 0.008137   CP/S = 0.002946

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	129.2		-4.3		36.3		-38		0.1	
RMS	26.5		13.4		24.4		49.5		18.1	
1/2 P-P	58.2		33		46.8		98.2		42.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	1.6	29.4	2.5	-5.6	4.2	-28.2	-8.3	-44.1	-4.9	-12.1
2nd	8.3	1.7	-1.6	1.2	-8.4	3.5	-32.6	11.5	-16.2	4
3rd	2.6	0.9	-0.2	4.4	-3.9	9.5	-9.3	37	-2.3	7.1
4th	-5.9	-11.7	-5.1	-8.8	-5.1	-6.3	3.2	7.7	9.1	1.5
5th	-0.3	9.4	2.7	9.2	2.4	9.6	-0.6	-11.5	-1	-3.1
6th	-3.9	0.1	-3	0.5	-2.1	1.1	2.1	-2.3	-5	0.6
7th	4.1	3.1	4.1	0.7	2.4	0.1	-1.3	0.9	1.3	-0.3
8th	-6.2	9.2	-2.9	7	-0.9	2.6	-1.2	1.2	2.6	0.4
9th	-0.9	-0.8	-0.1	-0.3	0.6	0.5	0.3	-0.8	0.8	0.5
10th	2.5	-1.6	1.5	-1.4	0	0.3	1.7	-1.2	-2.4	1.6
11th	2.2	-0.2	1.6	-0.4	0	0.7	1.5	-0.4	-1.7	0.5
12th	2.5	-1.1	1.6	-1.1	-0.2	0.6	0.8	-0.2	0.1	-0.5
13th	-0.3	0.4	0.2	0.5	0.1	0.7	0.6	0.6	0.2	-0.5
14th	-3	-0.3	-0.5	0.7	1.3	0.4	1.3	0.6	-1.4	-0.1
15th	-1.3	-3	-0.8	-0.5	0.7	1.4	1.1	1.6	-1.1	-1.1
16th	0.3	0.5	0.4	-0.1	-0.2	0.1	-0.3	0.3	0.3	-0.6
17th	-1.2	0.9	0.2	-0.2	0.4	-0.4	0.1	0.1	0.4	-0.7
18th	-0.9	0.6	0.1	-0.3	0.2	-0.2	0.1	0.3	0.3	-0.5
19th	-0.6	0.2	0.1	-0.2	0	-0.1	0.1	0.4	0.2	-0.2
20th	-2.6	-0.4	0	-0.1	1.3	-0.6	-0.2	0.4	1.4	-0.4

D-217

RUN 22 PT 15

V/OR = 0.151	ALFS,U = -9.99	CLRH/S = 0.048909
VKTS = 60.4	MTIP = 0.606	CXRH/S = 0.008137

	CTH/S = 0.049579
	CP/S = 0.002946

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-54.4		704.9		337.6		1409.5		-103.7	
RMS	271.6		211		223.5		180.7		101.2	
1/2 P-P	481.2		409.5		461.1		390.4		183	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-52.9	368.2	-43.8	279.6	-45.9	284.9	-45	206.3	25.8	131.8
2nd	42.5	-20.2	33.3	-23.2	48.1	-31.7	50.2	-37.2	29.3	10.4
3rd	47.7	-60.2	23.4	-49.9	20.1	-55.6	12	-54.5	15.3	-14.8
4th	0.9	12.4	11.9	31.2	19.3	43.4	18.1	37.3	-11.5	-15.9
5th	-7.1	0.2	16	44.5	27.8	75.2	40.1	93.8	-13.5	2.9
6th	8.9	-6.3	-0.8	4.6	-9.6	14.3	-18	16.8	0.2	8.4
7th	-10.5	17.4	-6.3	4.2	-3.1	-7.7	5.6	-17.5	-2.2	4
8th	-3.3	-0.1	2.7	-6.6	4.2	-5.2	2.6	2.3	-1.2	1.1
9th	-13.6	3	-6.2	4.4	0.6	-0.3	10.8	-3.5	0.1	-0.2
10th	-4.3	1.8	-4.3	4.4	-0.8	0.2	5.2	-3.5	-1.2	0.9
11th	4.6	-14.1	-1.4	-12	-0.2	-6.2	1.5	6.5	-0.7	-0.4
12th	-2.3	-4.2	-5.8	-1.7	-2.5	-3.9	3.3	0.3	-1.8	-0.4
13th	5	4.1	11.2	6.5	8	5.2	-2	-0.9	2	-2.4
14th	-0.3	0	0.8	7.2	-3.4	6.9	1.5	0.2	-3.9	-3.7
15th	0.5	0.6	-1.2	2.6	-5.2	-2.4	0.1	1.3	3.4	-2.9
16th	0.8	-0.2	0.3	-0.7	1.6	-1.4	0.6	-0.6	0.8	-0.8
17th	0.1	1.3	-2.1	-1.2	-3.6	-1.2	0	-1.7	0.2	-0.4
18th	0.1	2.6	1.1	-1.3	0	-2.8	1.3	-2.2	-0.1	1.8
19th	3.1	3	-3.6	-1.8	-9.2	-3	-4.1	-2.9	-1.4	0.6
20th	-0.7	10.5	-0.2	-4.6	-9.6	-13.5	-1.3	-11.9	-1.5	0.6

RUN 22   PT 16

V/OR = 0.151	ALFS,U = -9.99	CLRH/S = 0.059131	CTH/S = 0.059949
VKTS = 60.4	MTIP = 0.606	CXRH/S = 0.009883	CP/S = 0.003537

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	153.3		10.8		45.1		-35.7		4.1	
RMS	38.4		19.3		28.1		57.1		22.9	
1/2 P-P	75.7		55.2		57.9		117.8		52.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	7.9	42.3	5	-2.4	4.6	-29.6	-17.4	-49.1	-7.5	-13.4
2nd	9	5.9	-0.4	2.4	-7	3.4	-35	8.8	-21.2	3.3
3rd	-6.2	0.9	-6	6	-9.1	11.6	-13.3	43.5	-3.4	7.7
4th	-6.6	-16.5	-6	-11.8	-5.9	-8.3	2.8	9.3	12.2	2.5
5th	0	13.6	5.1	14.1	5.4	14.6	-2.5	-16.9	-1.4	-4.6
6th	-10.8	-2.5	-7.2	-0.2	-3.8	1.3	3.5	-2.9	-7.5	-0.1
7th	8	1.4	6.5	-0.8	3.3	-0.4	-1.1	1.1	1.5	-0.9
8th	-10.5	10.2	-5.5	8.6	-1.8	3.4	-2.1	1.3	3	0.8
9th	-1.8	-1.4	-1.3	-1.2	-0.2	-0.1	0.2	-1	0.8	0.5
10th	4.3	-0.8	2.6	-1.6	-0.2	0.1	2.6	-0.9	-3.5	1.5
11th	2.9	1.8	2.5	0.4	0	0.4	2.2	0.2	-2.7	-0.1
12th	1.1	-0.8	0.8	-0.7	-0.3	0.5	0.5	0.1	0.4	-0.9
13th	-0.6	1.3	0.4	0.1	-0.1	0	0.4	-0.3	0.6	0
14th	-4.9	1.2	-0.5	0.7	1.7	-0.6	1.7	-0.4	-1.6	0.9
15th	-1.2	-3.4	-0.9	-0.5	0.5	1.5	0.7	1.7	-1	-0.9
16th	0.5	1.3	0.6	0.1	-0.6	-0.2	-0.7	-0.1	0.4	-0.2
17th	-1.2	0.8	0	-0.2	0.3	-0.5	0	0	0.4	-0.6
18th	-1.6	0.5	0.1	0.1	0.5	-0.3	0	-0.2	0.7	-0.1
19th	-1.4	-0.2	0.1	0	0.5	-0.2	0	0.4	0.8	-0.4
20th	0.6	0.3	0.4	0.2	-0.4	0.1	-0.2	0.2	-0.4	0.5

D-219

RUN 22   PT 16

V/OR = 0.151   ALFS,U = -9.99   CLRH/S = 0.059131   CTH/S = 0.059949
VKTS = 60.4   MTIP = 0.606   CXRH/S = 0.009883   CP/S = 0.003537

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-10.4		728.2		348.7		1425.3		-116.7	
RMS	342.4		261.9		269.5		213		126.8	
1/2 P-P	570.1		509.6		546.6		456.6		239	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	35.4	473.6	21.6	355	8.2	354.2	-7	253.9	39.7	165.5
2nd	8.5	11	7.2	-1.2	26.2	-13.5	36.8	-26	34.1	21.4
3rd	-7.5	-88.4	-27.3	-73.1	-26.3	-81.8	-27	-77.1	3.5	-17.9
4th	-3.6	9.1	6.5	36.5	12.6	51.9	11.8	47.1	-11.1	-23.5
5th	-4.5	-17.9	42.2	16.8	73.8	39.7	97.4	62	-18.6	3.8
6th	-5.4	-14.1	8.2	6.9	15.3	22	12.6	27.8	-3.5	5.3
7th	-7.5	8.4	-7	4	-3.1	-2.6	8.9	-9.3	-1.3	2.9
8th	1.3	-7.3	7.1	-11.4	6.4	-6.7	0	6.8	-0.7	-1.8
9th	3.4	8.7	5.2	6	2.6	-0.3	-0.1	-5.8	1	-0.7
10th	3.5	6.3	0.5	5.7	0.6	0.2	2.3	-5.9	-2.2	1.2
11th	-2.9	-8.9	-8.1	-7	-2.4	-3.8	6	4.1	-2.7	-0.5
12th	2.7	1	1.3	1	1.3	-1.9	0.1	-0.8	-0.1	-1
13th	2.9	-5.6	0.6	-10.4	1.2	-7.1	0.8	2.7	0.9	2.2
14th	-0.3	-0.2	1.1	-1.6	-3.9	0.9	2.2	0.2	-8	0
15th	0.3	0.5	-0.5	0.7	-4.5	-4.8	-0.3	1.2	2.5	-3
16th	0.2	-0.2	-3	2.7	-1.3	4	-0.7	0.3	-0.8	-3.1
17th	2.1	1.3	-1.2	-1.2	-3.4	-0.7	-0.4	-1.5	0	-0.8
18th	0.6	-2	0.7	0.8	0.2	4.3	1.3	0.7	-0.7	-0.7
19th	1.5	4.1	-1.1	-1.9	-5.7	-4.5	-1.1	-3.5	-0.9	0.4
20th	0.5	-6.3	0.3	3	5.9	9	2.2	7.4	0.7	-1.7

D-220

RUN 22 PT 17

V/OR = 0.151 ALFS,U = -9.99 CLRH/S = 0.067967 CTH/S = 0.068933
VKTS = 60.4 MTIP = 0.607 CXRH/S = 0.011513 CP/S = 0.004114

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	173.5		24		53.4		-32.9		7.7	
RMS	45.2		22.9		30.6		63		26.4	
1/2 P-P	84		64.7		64.6		127.8		60.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	13.7	47.4	7.4	-1.8	5	-31.1	-24.8	-52.9	-9.2	-14.2
2nd	14.1	8.4	2.1	2.9	-5.2	2.7	-37	5.2	-25.3	2.3
3rd	-11.1	4.4	-10.5	9.1	-14	14	-18.9	47.6	-5	7.6
4th	-9	-19.3	-7.8	-13.8	-7.1	-9.7	2.9	11.5	14.5	3.8
5th	-1.5	13.3	3.9	14.5	4	14.9	-1.4	-17.5	-0.7	-4.2
6th	-14.8	-4	-9.6	-1.2	-4.5	0.3	4.1	-2.2	-9.1	-0.5
7th	9.1	1.3	7.3	-1.1	3.7	-0.5	-1.2	1.4	1	-1.1
8th	-13.4	8.2	-7.7	7.7	-2.5	3	-2.9	1.1	3.1	0.8
9th	-2.1	-1.7	-1.8	-1.8	-0.6	-0.6	0.2	-1.1	1.2	0.5
10th	6	-0.2	3.3	-1.4	-0.6	0.1	3.3	-0.8	-4.1	1.4
11th	0.9	3.5	1.9	1.6	0.1	0	1.7	1.3	-2.7	-0.9
12th	1.3	-1.3	0.5	-0.7	-0.5	0.7	0.1	0.4	0.6	-1.2
13th	0.6	0.5	0.5	0.3	-0.5	0.6	0.3	0.5	1	-0.6
14th	-3.3	0.1	-0.3	0.5	1.2	0	1.2	0.3	-1.1	0.2
15th	-1	-3.4	-0.8	-0.6	0.3	1.6	0.5	1.9	-1	-1.1
16th	1	1.3	0.7	0.3	-0.8	0	-1.1	0	0.6	-0.1
17th	-1.5	1	-0.3	0.2	0.3	-0.7	-0.1	-0.5	0.2	-0.3
18th	-1.5	-0.2	0	0.1	0.7	-0.2	0	-0.2	0.8	0.1
19th	-0.7	-0.8	-0.1	0.1	0.2	0.3	0	0.1	0.4	0.4
20th	0.8	0.6	0.4	0	-0.7	-0.2	-0.2	-0.1	-0.6	0.3

D-221

RUN 22   PT 17

V/OR = 0.151   ALFS,U = -9.99   CLRH/S = 0.067967   CTH/S = 0.068933
VKTS = 60.4   MTIP = 0.607   CXRH/S = 0.011513   CP/S = 0.004114

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	15.3		738		348.9		1431.2		-127.9	
RMS	365.4		279.5		287.3		220.4		143.3	
1/2 P-P	574.7		505.1		537.5		439.4		264.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	51.6	505.9	32.6	380.4	20.9	381.9	7.2	273.6	49.1	184.6
2nd	27.6	18.2	21	1.9	38.6	-9.6	46.5	-23.9	44	29.5
3rd	-1.2	-69.3	-24	-60.7	-24.4	-74.7	-29	-73.7	0.8	-15.4
4th	-19.1	25	-9.2	63.5	-5.7	86.3	-6.7	80.3	-11.5	-28.2
5th	-14.6	-25	8.5	11.9	22.8	32.6	40.5	56.5	-21.1	1.7
6th	-14.8	-6.1	10.7	8.4	24.7	17.8	25	17.7	-5.9	4.4
7th	-6.8	5.8	-9.2	4.5	-7	0	5	-5.1	-2.5	3.3
8th	-0.6	-4.5	8.4	-9.1	7.5	-6	-0.8	3.1	-3	-1.8
9th	4	15.3	6.6	9.4	3.8	1.2	-1.7	-9.7	1.3	0.2
10th	10.3	9.9	3.9	7	2.3	1	-0.7	-5.8	-0.1	2.9
11th	-2.2	-0.3	-5.3	-1.7	-2	-0.3	4.4	1.5	-3.1	-1
12th	-7.4	11.8	-6.7	16.8	-3.2	6.4	3.4	-6.8	1.3	0.3
13th	2	-0.6	0.5	-1	1.9	-1.9	0.6	1.5	3.2	0
14th	0.3	-0.1	2.7	0.9	-0.8	1.3	1.7	0.8	-3.3	-1
15th	1.9	0.4	-1.1	1.6	-4.1	-3.7	0.2	1.4	2.1	-2.6
16th	0.1	-1	1	1.7	5.3	2.8	0.4	0.6	1	-0.8
17th	3.7	-0.3	-2.9	0.4	-6	3.9	-1.3	-0.4	0.5	-0.6
18th	0.1	-2	3.4	-0.1	3.8	1.5	3.5	0.1	-0.8	-0.1
19th	3.8	-0.4	-0.8	0.8	-4.9	2.7	-1.5	2.3	-1	-1
20th	1.5	-7.5	0.7	2.1	7	10.4	1.7	7.4	1.1	-1

RUN 22   PT 18

V/OR = 0.152   ALFS,U = -9.99   CLRH/S = 0.079007   CTH/S = 0.080130
VKTS = 60.4   MTIP = 0.604   CXRH/S = 0.013380   CP/S = 0.004914

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	200.2		41.8		64.4		-29.5		12.7	
RMS	54.6		28.4		35		71.4		30.7	
1/2 P-P	97.9		77.7		73.6		143.2		69.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	21	54.6	10.8	-0.8	5.9	-33.3	-33.3	-58	-11.2	-15.1
2nd	22.7	11.2	6.6	3.3	-2.4	2.1	-40.6	-0.3	-30.2	0.7
3rd	-14.8	8.8	-15.7	12.8	-20.8	17.7	-27	52.2	-7.5	6.9
4th	-7.6	-21.7	-7.7	-16	-7	-11.4	2.1	13.3	17	5.2
5th	-2.3	14	2.3	16.2	1.6	16.9	1.6	-18.9	0.9	-4
6th	-16.5	-4.8	-11.1	-2.3	-5.3	-1	4.9	-0.8	-10.4	-1.2
7th	10.7	1	8.6	-1.6	4.1	-0.7	-1.2	1.5	0.5	-1.7
8th	-17	7.3	-10.4	7.6	-3.6	3.1	-3.7	1	2.8	1.4
9th	-1.7	-3.1	-2.1	-2.2	-1	-0.4	0.2	-1.3	1.3	1
10th	7.9	0.2	4	-0.9	-1.1	0.7	3.8	-0.4	-4.8	0.9
11th	1	9.8	2.8	5.2	-0.2	-0.4	2.2	3.7	-3.3	-3
12th	1.6	-1.4	0.7	-0.4	-0.7	1	0.3	0.6	0.6	-1.2
13th	1.2	0	0.4	1	-0.9	0.9	0.1	1.2	1.4	-0.9
14th	-3.7	-0.6	-0.3	0.5	1.3	0.2	1.3	0.4	-1.2	0.2
15th	1	-4.5	-0.4	-1.1	-0.1	2	0.1	2.3	-0.6	-1.5
16th	1.2	1.5	0.6	0.6	-1.1	-0.2	-1.1	-0.2	0.6	0
17th	-1.3	0.8	0.2	0.4	0.3	-0.7	-0.1	-0.6	0.7	0.1
18th	-1.8	-0.7	0.1	0.4	0.7	0.2	0.1	-0.3	0.9	0.5
19th	-0.7	-2.2	0.2	0.1	0.6	0.8	-0.2	0.1	0.9	1.1
20th	0.7	-0.8	0.3	-0.1	-0.1	0.4	-0.4	-0.2	-0.3	0.9

RUN 22   PT 18

V/OR = 0.152   ALFS,U = -9.99   CLRH/S = 0.079007   CTH/S = 0.080130
VKTS = 60.4   MTIP = 0.604   CXRH/S = 0.013380   CP/S = 0.004914

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	47		742.2		346.6		1422.4		-142.7	
RMS	390.3		304		320.3		250		163.2	
1/2 P-P	622.2		561.4		620.2		542.5		339.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	89.8	531.8	59.5	400.9	46.7	410.3	29.6	295.4	61.6	205.3
2nd	57.8	19.7	42.1	0.4	56.8	-8.6	62	-22.3	60.7	37.8
3rd	23.9	-60.7	-8.5	-61.7	-10.9	-82.8	-23.3	-84.3	-0.6	-11.1
4th	-17.1	51.5	-8	103.9	-6.9	137.2	-8.6	130.4	-9.1	-32
5th	-25.4	-32.8	-34.7	16.1	-42.5	41.2	-31.9	71	-22.6	0
6th	-14.9	3.5	8.9	8.6	20.8	9.7	19.2	3.1	-9.3	5.9
7th	-8.5	0	-11.9	3.7	-8.2	1.7	7	-1.9	-4.8	4.1
8th	0.4	-2.4	11.2	-7.2	9.1	-5.6	-3.1	3.1	-0.3	-2.3
9th	4.4	10.1	6.1	8.3	3.9	1.3	-2.1	-6.2	2.2	-0.7
10th	19.1	2.1	7	0.7	4.1	-1.4	-3.8	-0.8	0.6	2.7
11th	9.3	-9.9	0.7	-17.9	1.6	-4.9	0.1	11.9	-1	-0.3
12th	6.3	24.3	12.3	25.7	7.5	11.6	-4.4	-10.8	1.2	-0.6
13th	1.6	5.9	3.5	10.9	4	6.6	-1.3	-0.6	3.6	-1.8
14th	1.1	-0.1	5.1	-2.1	0.4	-1.4	1.1	1.8	-3.2	-1.6
15th	2.1	0.2	4.2	4.4	3.8	-2.8	-0.6	2.4	4.2	-1.1
16th	0.3	-0.8	-1.4	-3.8	2.3	-3	-0.6	-0.4	1	-1.2
17th	-0.3	-0.6	0.7	-0.8	1.3	2	1.4	-0.3	-0.1	2.4
18th	1	-2.3	0.4	-0.2	-0.6	2.8	1.9	2.1	0.2	-1.6
19th	-1.5	-0.9	0.4	-0.7	0.2	-2.6	2.9	1.6	-0.9	-1.5
20th	-4.3	-8.3	3	2.2	14.5	5.8	8.9	6.9	0.7	-0.2

RUN 22   PT 19

V/OR = 0.151
VKTS = 60.4

ALFS,U = -9.99
MTIP = 0.605

CLRH/S = 0.088900
CXRH/S = 0.015049

CTH/S = 0.090163
CP/S = 0.005702

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	224.6		57.4		74.7		-25.5		18.2	
RMS	64.3		33.4		39		78.4		34.9	
1/2 P-P	109.5		87.4		81.7		155.8		74.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	29.7	62.7	14.6	1	7.2	-34.7	-39.9	-62.4	-12.7	-16.4
2nd	30.1	12.9	10.3	3.3	0	1.4	-44.5	-5.6	-35.2	-1.4
3rd	-18.8	14.8	-21.1	17	-27.8	20.4	-36	53.2	-10	5.6
4th	-4.3	-23.1	-6.6	-17.4	-7	-12.6	1	14	19.4	6.4
5th	-2.5	14.5	1.6	16.3	0.3	16.7	3.2	-18.2	2.2	-3
6th	-16.4	-3.3	-11.7	-2.5	-6.6	-2.2	6.2	0.3	-11.1	-1.7
7th	12.1	-1.1	9.1	-2.8	4.3	-0.9	-0.9	1.2	-0.1	-2.4
8th	-22.1	3.3	-14.5	4.9	-5	1.6	-4.8	0.6	2	1
9th	-1.1	-3.4	-2.3	-2.4	-1.9	-0.4	0.2	-1.6	1.5	1.5
10th	7.5	-0.4	3.9	-0.8	-1	1	3.7	-0.3	-4.6	0.7
11th	-4.1	10.9	0.1	6.6	-0.1	-0.5	0.4	4.8	-2.1	-4.1
12th	1	-0.6	0.6	0.6	-0.6	1.1	0.2	1.2	0.6	-1.6
13th	0.9	0.1	0.7	1	-0.8	0.9	0.2	1.2	1.3	-0.7
14th	-2.8	-0.7	-0.5	0.4	0.7	0.3	0.6	0.6	-0.6	0.1
15th	1.9	-4.5	-0.1	-1.2	-0.5	2.1	-0.4	2.4	-0.3	-1.7
16th	0.8	1.1	0.5	0.3	-0.8	-0.2	-1	-0.3	0.5	-0.1
17th	-1.5	0.5	0	0.4	0.4	-0.4	0	-0.6	0.4	0.4
18th	-1.2	-1.4	0.2	0.4	0.6	0.4	0	-0.2	0.7	0.8
19th	0.5	-2.1	0.1	0.3	0.2	1.1	-0.1	0	0.3	1.3
20th	1.6	-0.7	0.2	0	-0.7	0.9	-0.4	-0.2	-0.6	1.1

D-225

RUN 22   PT 19

V/OR = 0.151   ALFS,U = -9.99   CLRH/S = 0.088900   CTH/S = 0.090163
VKTS = 60.4   MTIP = 0.605   CXRH/S = 0.015049   CP/S = 0.005702

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	69.6		748.1		341.7		1423.8		-154.1	
RMS	416		328.1		352.1		276.9		182.1	
1/2 P-P	622		581.7		674.8		584.9		317.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	129.1	557.7	87.3	421.1	74	436.7	54.9	314.6	76.4	225
2nd	77.5	10	55.3	-9.6	70.4	-15.1	75.3	-25.1	74.8	46.5
3rd	40	-40.2	-0.5	-54.5	-4.8	-83.6	-23.5	-89.5	-2.4	-1.2
4th	-0.4	70	6.5	132.2	4.7	174.6	0.2	167.2	-4	-33.8
5th	-30.8	-46.5	-63.2	-12.9	-84.1	-1	-78	27.3	-25.2	-1
6th	-8.2	17.3	6.8	8.3	12.4	0.5	4.8	-12.8	-9	10.6
7th	-7.9	-7.4	-13	4.1	-9.2	7.1	6.9	6	-3.8	2.4
8th	-0.5	6.7	15.2	-0.1	10.8	-2.5	-7.3	-2.9	-5	-1.5
9th	10.8	6.4	9.5	6.5	5.6	2	-6.2	-1.7	5.4	0.8
10th	14.1	-7	2.7	-4.5	3.1	-2.7	-1.5	4.3	1.3	1.1
11th	14.9	-2.6	11	-15.2	4.6	-3.1	-5.9	10.8	-3	-0.9
12th	18.2	20.8	25.3	17.6	15.9	7.6	-9.7	-7.4	1.9	-1.1
13th	1.4	6.7	3	9.7	4.4	6.5	-0.6	-0.4	2.6	-2.5
14th	0.9	0.2	3.5	-0.5	0.2	-0.5	0.2	1.3	-1.8	-2.1
15th	2.1	0.5	3.6	4.6	4.2	-2.9	-0.9	2.6	4.9	-0.5
16th	0.2	-0.4	-0.9	-3.9	2.2	-3.1	-0.8	-1.3	1.3	-1.4
17th	0.8	-0.6	0	-0.6	-0.3	2.1	0.8	-0.1	-0.5	0.3
18th	-0.5	-1.1	1.4	-1.3	1.4	-1.5	2.6	0.8	0	-1
19th	-0.6	-1.3	0.3	1.1	1	-0.5	1.5	3.8	-0.1	-1.5
20th	-9.5	-8.7	3	1.3	20.4	1.6	12.4	5.4	0.4	1.6

D-226

RUN 22   PT 20

V/OR = 0.152
VKTS = 60.4

ALFS,U = -9.99
MTIP = 0.605

CLRH/S = 0.098936
CXRH/S = 0.016847

CTH/S = 0.100358
CP/S = 0.006605

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	248.5		73.6		84.5		-20.6		23	
RMS	70.8		37.6		43.3		85.2		38.8	
1/2 P-P	124.5		93.7		91.7		169.3		81.5	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	38	66	18.6	0.5	9	-37	-45.5	-67.7	-13.8	-18
2nd	36.3	15.5	13.6	4	2.1	1.2	-48	-11.5	-39.6	-4.1
3rd	-21.2	19	-25.4	19.5	-33.9	21.9	-44.6	52.3	-12.5	3.7
4th	0.5	-25.5	-4.6	-19.3	-6.5	-13.9	-0.4	14.9	21.4	7.7
5th	-1.8	15.3	0.8	17.1	-1.7	17	5.3	-18	3.7	-2.2
6th	-13	-6.5	-10.8	-4.8	-7.3	-3.3	7.3	0.7	-11.2	-2.6
7th	13.4	-2.3	9.8	-3.3	4.4	-0.8	-0.7	1.3	-0.8	-3.4
8th	-21.9	1.8	-14.7	4	-5.4	1.7	-4.8	0.2	1.8	1.4
9th	0.3	-4.2	-1.8	-3.1	-2.1	-0.4	0.6	-1.9	1.7	2.1
10th	8.1	0.6	4.2	-0.4	-1.3	0.8	3.6	0.2	-4.4	0.3
11th	-6.5	9.2	-1.4	6.5	0.1	-0.4	-0.9	4.7	-1.1	-4.3
12th	1	-0.7	0.4	1.2	-0.9	1.1	-0.1	1.6	0.6	-1.7
13th	0.7	0.2	0.4	1.1	-0.9	0.6	-0.1	1.3	1.2	-0.3
14th	-0.2	-1.1	-0.3	0.4	-0.5	0.6	-0.5	1.1	0.3	-0.2
15th	2.7	-3.4	0.3	-1.2	-0.9	1.6	-0.7	1.8	0.2	-1.5
16th	-0.6	1.5	0	0.7	-0.3	-0.8	-0.3	-0.9	0.2	0.3
17th	-1.1	-0.6	-0.1	0.2	0.4	0	0.1	-0.2	0.3	0.5
18th	-0.2	-1.4	0.3	0.2	0.2	0.5	-0.1	-0.1	0.2	0.8
19th	0.7	-0.5	0.1	0.3	-0.4	0.3	-0.3	-0.1	-0.4	0.4
20th	2.5	-0.7	0.1	0	-1.1	0.7	-0.1	-0.3	-1	1

RUN 22   PT 20

V/OR = 0.152   ALFS,U = -9.99   CLRH/S = 0.098936   CTH/S = 0.100358
VKTS = 60.4   MTTIP = 0.605   CXRH/S = 0.016847   CP/S = 0.006605

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	86.3		746.5		331.1		1415.9		-171.7	
RMS	439.6		355		389.5		312.2		201.1	
1/2 P-P	643.2		602.7		717		635.2		349.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	149.3	583.7	100.5	445.1	89	467.6	71.8	337.6	86.4	245.8
2nd	83.3	7.7	58.6	-13.5	75.3	-16.4	83.2	-24.3	86	57.2
3rd	56.7	-30.3	7	-58.1	0.5	-94.3	-24	-103.3	-2	8.6
4th	13.1	77	13.1	147.7	7.6	197.1	0.2	190.7	5	-37.4
5th	-35	-64.1	-97.4	-49.6	-134.7	-54.9	-134.9	-28.1	-24.4	-4.7
6th	2.3	15.5	2.6	12.2	-0.2	7.4	-13.2	-5.1	-7.2	9.5
7th	-9.6	-9.8	-14.6	3.6	-9.5	6.3	8.6	5.6	-6	0.9
8th	3.6	3.1	15.7	0	10.5	0.9	-10.1	4.2	-3.9	-1.3
9th	5.6	4.9	5	7.4	5.8	3	-2.4	-1	5	2.1
10th	13	-5.4	1.1	-4	3.5	-2	0	5	1.7	0.2
11th	8.2	1.3	9	-10.3	3.3	-0.9	-5.4	8.7	-1.8	-1.7
12th	13.7	29.5	23	28.5	14.9	14.3	-9.2	-11.5	3.3	-2.6
13th	2.2	3.4	3.3	3.8	4.9	2.5	-1.6	0.7	3.8	-1.2
14th	2.2	1.4	3.4	1.6	3.3	0.1	-1.4	1.4	2.9	-0.1
15th	1.2	0.2	5.7	6.3	8.6	0.3	-0.8	1.8	4.2	1.1
16th	0.8	-0.2	0.1	-5.3	1.7	-2	0.1	-1.6	0.4	-2.1
17th	-1.2	-1.6	2.6	0.4	2.9	1.5	2.4	0.8	-1.2	-0.6
18th	0.5	-2.4	-0.3	1.6	-0.3	2.4	0.4	2.8	-0.5	-1.6
19th	-1.8	-0.2	0	-1.5	1.8	-4	0.2	-0.9	-0.6	-0.8
20th	-7.3	-12.3	4.2	2.6	23.1	6.6	11.6	9.4	1.5	-0.1

D-228

RUN 22   PT 21

V/OR = 0.151	ALFS,U = -9.99	CLRH/S = 0.108656	CTH/S = 0.110253
VKTS = 60.4	MTIP = 0.606	CXRH/S = 0.018698	CP/S = 0.007648

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	272.3		90.1		107.5		-15.3		30.2	
RMS	81.5		43.5		47.4		92.1		42.8	
1/2 P-P	140.8		107.8		101.3		183.6		86.8	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	46.8	74	23.4	2.3	11.7	-38.3	-52.1	-73	-15	-20.4
2nd	41	18.8	16.5	4.7	4.3	0.8	-50.4	-18.5	-43.2	-7.3
3rd	-24.2	21.9	-30.2	20.7	-40.1	21.6	-53.7	48.4	-14	1
4th	6.6	-31.1	-1	-23.7	-4	-17.3	-2.9	17.4	23.1	10.1
5th	-1.3	17.7	0.2	18.9	-3.4	17.7	7.1	-18.2	4.3	-1.2
6th	-9.8	-10.7	-9	-7.8	-6.6	-4.7	7.5	1.4	-11.2	-4.4
7th	20.8	-2.3	14.8	-3.9	6.3	-1	-0.2	1.8	0.8	-5.1
8th	-21.1	-2.1	-14.5	1.7	-5.4	1.2	-4.9	-0.7	1.8	1.4
9th	1.3	-5.2	-1.5	-3.4	-2.3	-0.4	1	-2.4	1.3	3.2
10th	7.7	1.4	3.9	0.3	-1.3	0.5	3.5	0.8	-4.4	-0.1
11th	-9.1	5.9	-3.3	5.5	0.4	-0.1	-2.5	4.1	0.1	-4.2
12th	1	-1	0.2	1.1	-1.1	1	-0.3	1.5	1	-1.8
13th	0.7	0.4	0	1.2	-1	0.4	-0.5	1	1.5	-0.1
14th	0.5	-1.5	-0.4	0.3	-0.7	0.8	-0.7	1.1	0.5	-0.1
15th	2.5	-2.7	0.5	-0.7	-0.9	1.1	-0.8	1.4	0.5	-1.1
16th	-0.9	0.4	-0.1	0.5	0.1	-0.4	0.3	-0.5	0	0.2
17th	-0.3	-0.6	0	-0.1	0.1	0.1	-0.1	0.1	0	-0.1
18th	-0.3	-1.1	0.5	0.1	0.2	0.4	0	-0.1	0.4	0.4
19th	0.3	-0.9	0.1	0.1	0	0.4	0	0	0	0.2
20th	3	0.9	0.4	0	-1.6	0.2	0.1	-0.1	-1.4	0.5

D-229

RUN 22   PT 21

V/OR = 0.151   ALFS,U = -9.99   CLRH/S = 0.108656   CTH/S = 0.110253
VKTS = 60.4   MTIP = 0.606   CXRH/S = 0.018698   CP/S = 0.007648

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	97.5		743.3		315.8		1406.2		-189.4	
RMS	459.2		378.8		427.5		350.3		227.3	
1/2 P-P	687.3		678.1		790.4		682.4		389.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	157.7	610.4	104.7	467.9	95.8	499.4	84.2	362.3	96.9	276.1
2nd	76.1	3.9	53.4	-18.2	74.5	-16.3	88	-21.4	95.2	72.1
3rd	69.1	-20.1	12.3	-63.8	5.1	-107.9	-24.5	-122.3	1.7	16.7
4th	9.5	69.2	-0.9	147.3	-11.6	199.8	-18.9	193.3	17.4	-43.9
5th	-35.2	-81.8	-124.9	-96.2	-176	-124.4	-182.4	-100.3	-26	-7.8
6th	2	9.5	-2.1	19	-7.3	22	-18.5	11.1	-9.5	9.1
7th	-7.9	-11.1	-21.7	1.8	-17.8	3.1	5.4	1.4	-5.3	-0.7
8th	2.1	-1.6	13.6	0.8	9.2	3.3	-8.7	7.1	-3.4	-3.1
9th	0.9	2.7	0.6	7.7	4.8	5	-0.2	1.4	4.5	2.6
10th	11.5	-2.5	0.3	-2.2	3.3	-0.1	-0.4	3.5	1.3	1.7
11th	6	2.1	9.8	-7.2	2.8	-0.5	-7.2	7.5	-2	-1.7
12th	6.3	27	14.2	29.1	10.4	15.3	-5.4	-11.7	3.9	-3
13th	1	3	1.4	3.3	3.1	2.3	-1.8	1	5.3	-1.1
14th	3.2	-0.1	4.7	1.5	5	0.5	-2	1.3	3.4	-2.2
15th	1.1	0.2	4.5	5.8	7.6	1.2	-1.1	1.4	2.7	-0.4
16th	1.1	-0.7	5.6	-4.8	7	-3.2	1.9	-0.8	3.4	-0.8
17th	-1.4	-1	1.6	0	2.3	-0.2	1.2	-0.1	0.4	0.1
18th	-1.1	-2.3	1.5	0	2.8	0.6	1.9	1.5	0.4	-2.5
19th	-1.3	2	-1	-2.6	-2	-5.9	-1.4	-2.2	0.1	-0.4
20th	-5.6	-16.3	3.5	3.7	24.3	14	10.4	12.8	0.7	-0.5

D-230

RUN 22   PT 22

V/OR = 0.151   ALFS,U = -9.99   CLRH/S = 0.117765   CTH/S = 0.119478
VKTS = 60.4   MTIP = 0.606   CXRH/S = 0.020166   CP/S = 0.008878

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	294.6		106.1		106.7		-11.2		36.3	
RMS	93.3		50.9		51.7		96		46.9	
1/2 P-P	171.3		127.8		114.9		198.1		101.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	52.5	83.3	27	4.5	14.5	-39.1	-57.9	-75.1	-16.8	-24.5
2nd	43.2	22.9	18.5	6.1	6.1	0	-50.3	-25.7	-45.6	-10.7
3rd	-27	26.6	-34.3	22.6	-45	21.6	-57.9	42.3	-13.1	-0.8
4th	13.6	-37.2	3.7	-28.8	-0.2	-21.7	-5.5	20.6	24.6	14.3
5th	-6.8	18.9	-4.7	19.3	-7.5	16.5	11.4	-17.1	4.6	-0.4
6th	-8.7	-19	-10.7	-13.7	-8.4	-8.2	9	3.3	-11	-6.9
7th	23.3	1.1	16.8	-1.4	7	0.2	-0.3	2.4	1.8	-5.4
8th	-23.6	-9.1	-17.5	-2.2	-6.8	-0.1	-5.5	-2.3	0.9	2
9th	1.5	-5.5	-1	-3.9	-2.3	-1.1	1	-2.6	0.9	4.1
10th	7.8	5.4	4.9	2.2	-1.4	0	4	2.5	-4.7	-1.5
11th	-12.5	9.9	-5.3	8.7	0.3	-0.2	-3.5	5.8	1	-6
12th	3	-0.6	0.7	0.9	-1.6	0.5	-0.6	0.8	1.5	-1.3
13th	2.1	0.9	0	0.6	-1.7	-0.2	-1.2	0.4	2.1	0.5
14th	1	-1.3	0	0.6	-0.5	0.6	-0.7	0.8	0.4	0.2
15th	1.5	-4.3	-0.4	-1.4	-0.2	1.5	0.2	1.9	-0.8	-1.6
16th	0.2	-3.4	-0.8	-1.3	0.6	0.9	1	1.6	-0.4	-1.2
17th	-1.9	0.2	-0.2	0.4	0.7	0.7	0.6	-0.7	-0.1	-0.2
18th	-0.3	-0.7	0.3	0.6	0.3	0.3	0.2	-0.3	0.9	0.5
19th	1.9	-1.5	0.1	-0.1	-0.5	1	-0.1	0.4	-0.3	1.1
20th	0	-1.3	0.5	-0.1	0.5	0.6	-0.5	0	0.2	0.8

RUN 22   PT 22

V/OR = 0.151	ALFS,U = -9.99	CLRH/S = 0.117765	CTH/S = 0.119478
VKTS = 60.4	MTIP = 0.606	CXRH/S = 0.020166	CP/S = 0.008878

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	114.5		748.3		308.6		1409.4		-212.5	
RMS	478.6		394.6		448.8		367.2		255.4	
1/2 P-P	716		723.3		861.8		756.1		464.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	178	635.9	115.4	486.9	103.9	523.7	93.2	376.7	107.5	310.3
2nd	54.2	2.1	36.2	-17.6	62.1	-9	82.2	-10.3	99.3	84.7
3rd	80.3	-7.1	18	-65.9	9.1	-117.1	-22.4	-133.6	0.6	25.3
4th	10.2	57.7	-4.4	137.3	-16.4	189.8	-21.6	182.2	26.2	-51.9
5th	-13.8	-93.5	-94.4	-146.6	-135.7	-196.9	-146.7	-180	-32.4	-4.6
6th	11	4.5	-0.3	22.8	-7.6	31.7	-25.8	19.3	-0.2	12.7
7th	-14.2	-10.2	-28.3	-0.7	-18.5	-2.4	11.9	-3.2	-1	-5.3
8th	5.3	-1.9	18.9	6.4	13.4	8.3	-9.1	8.1	-4.8	-9.3
9th	-2	-1.1	1	5.7	8.2	5.5	5.3	3.2	-0.2	4.1
10th	5.4	-6.2	-6.3	-9.1	1.4	-2.7	4.3	5.8	1.4	4.4
11th	7.6	-8	10	-20.7	0.8	-3.1	-11.9	16.6	2.4	-4
12th	-5	5.9	-6.1	10.9	1.2	5.7	2.7	-2.9	5.8	-4.4
13th	-5.4	4	-8	6.7	-1.3	5.7	0.9	-1.6	3.4	2.3
14th	0.9	-1.3	2.6	1.5	4.1	1.2	-1.4	0	3.5	-3.9
15th	2.5	1.6	4.1	6.7	2.8	0.8	-1.6	0.4	1.3	1.8
16th	0.7	-0.3	14	-1.5	14.2	-5.8	3	-0.5	5.6	5.1
17th	-0.2	-1.5	-0.5	1	-2.9	3.9	0.7	0.2	0.5	0
18th	-3	-0.6	2.3	-2.4	4.2	-3.5	3.2	-1.5	0.4	-2.7
19th	-0.2	1	-0.8	0.1	-0.8	-3.5	-2	1.4	-1.3	0
20th	-2.4	-14.3	4.1	5.4	14.6	16.4	11.1	14.5	-0.5	0.6

D-232

RUN 24   PT 7

V/OR = 0.151	ALFS,U = -1.99	CLRH/S = 0.040738	CTH/S = 0.040740
VKTS = 60.2	MTIP = 0.605	CXRH/S = 0.000744	CP/S = 0.001614

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	107.1		-29.7		8.5		-60.6		-8.7	
RMS	14.9		18.4		29.1		46.7		13.9	
1/2 P-P	42.2		36.1		49.7		86.6		34.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-1.8	4.9	-0.1	-16.2	2.9	-31.4	14.2	-41.1	1.5	-11.5
2nd	-9.4	-0.7	-15.5	5.1	-22.8	10.5	-38.6	20.2	-10.9	5.9
3rd	3.1	-3.5	0.7	-3.4	-1.7	0.6	-2.3	21.8	-1.2	5.4
4th	-6.3	-4.6	-5.6	-3.1	-6.7	-1.3	3.1	5.6	5.6	-0.1
5th	-0.9	-1.1	-0.3	-0.8	-0.3	0.4	-0.1	-2.9	-0.8	-1.1
6th	-2.3	3.9	-1.3	2.9	-1	2.3	0.5	-3.5	-3.4	2.2
7th	2.6	3.7	2.6	2.2	1.4	0.8	-1	0.5	0.4	1.3
8th	-6.1	4.4	-3.3	3.9	-0.8	1.2	-0.7	1.1	0.3	-1.5
9th	-1.1	1.1	-0.1	1	0.7	0.9	0.2	0.4	0.6	-1
10th	0.2	0.8	0.4	-0.4	0.3	-0.5	0.6	-0.6	-0.4	1.1
11th	-3.1	10.5	0.6	5.3	0.2	-1.5	0.8	2.5	-0.6	-1.5
12th	-0.8	-0.8	0	-0.7	0.3	0.4	0.7	-0.9	-1	-0.1
13th	1.2	-1.4	0.3	-1.2	-0.1	0.6	0.6	-0.4	-0.6	-0.1
14th	0	-0.7	0	-0.8	0.2	0.5	0.6	0.2	-0.2	-0.4
15th	-3.5	2	-0.6	0.5	0.9	-0.5	0.5	-0.6	-0.6	0.3
16th	-1.8	-1.5	-0.5	-0.3	0.9	0.9	0.4	1.1	-0.5	-0.9
17th	0.2	0.4	0.3	-0.6	-0.2	0.2	-0.2	0.1	0.2	-0.2
18th	0	1.7	0.3	0.1	-0.5	-0.4	0	-1	0.3	-0.1
19th	0.3	1.1	0.1	-0.2	-0.5	0	-0.1	0	-0.4	-0.3
20th	0.6	0.2	0	-0.2	-0.3	0.4	-0.3	0.6	-0.6	0.6

D-233

RUN 24   PT 7

V/OR = 0.151   ALFS,U = -1.99   CLRH/S = 0.040738   CTH/S = 0.040740
VKTS = 60.2   MTIP = 0.605   CXRH/S = 0.000744   CP/S = 0.001614

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	19.8		741.7		402.5		1456.7		-41	
RMS	119.7		102.2		133.5		118.1		62.8	
1/2 P-P	202.2		206.9		260.1		245.4		119.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-56.9	147.8	-51.3	116.1	-57.3	145.8	-67.3	110.6	6.3	83.7
2nd	10.4	-54.4	21.3	-51.4	61.3	-69.1	65.6	-66.3	6.3	-5.7
3rd	-1.2	6.9	-9.7	14.6	-8.1	10.1	-13.5	-2.2	15.4	-0.3
4th	12.1	3.4	17.8	14	25.6	18.5	17.2	16.7	-11.9	-11.6
5th	-1.2	-1.7	14.4	-7.1	26.2	-14.1	28.3	-16.5	-5.5	-2.5
6th	-0.3	1	0.8	-0.3	2	-1.6	-2	-0.6	0.5	6.3
7th	-4	-4	-1.9	-2.8	2.7	0.9	8	4.7	0.6	2
8th	2.9	2.4	5.5	-3.8	1.6	-4.8	-3.2	-1.3	-1.8	0.7
9th	0.1	-1.5	0.7	-2	0	-2.5	2.2	-0.5	0	-1.9
10th	1.3	-0.8	0.6	-0.5	0.1	0.3	-0.2	-1.4	-1.1	1.7
11th	2.9	-2.2	1.2	-10.4	0.4	1	-0.4	6.5	-4.3	2.8
12th	5.7	-0.6	5.7	-0.6	2.3	-1.3	-1.6	-1	-1.6	-1
13th	-3	-4	-8.9	-0.8	-6.5	-2.9	2.6	-0.6	0.1	-1.4
14th	0.3	-1.1	0.8	0.9	-0.1	-1	-0.3	-0.3	-0.5	-1.4
15th	-0.3	-1.2	-0.7	-0.9	-3.7	2.5	0	0	-2.5	-0.8
16th	0	-0.6	3.5	1.8	0.9	-1.4	1.2	0.8	-1.1	-2.8
17th	0.8	-0.8	-1.2	1	-0.8	0.2	-1.1	0	-0.1	1
18th	-0.1	-1.3	-0.8	-0.5	1.8	1.2	-1.2	-0.1	0	-0.3
19th	0.9	-1.2	-1.3	1.1	-0.1	1.8	-1.8	1.7	-0.4	0.9
20th	-3.3	-1	0.9	0.5	5.9	-2.9	3.6	-0.3	1	0.8

D-234

RUN 24   PT 8

V/OR = 0.150   ALFS,U = -1.99   CLRH/S = 0.060460   CTH/S = 0.060479
VKTS = 60.1   MTIP = 0.606   CXRH/S = 0.001574   CP/S = 0.002272

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	138.7		-6.5		20.3		-59		-6.5	
RMS	29.7		20.9		32.6		60.5		21.2	
1/2 P-P	66.9		54.7		62.4		120.5		45.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-3.3	24.7	-2.2	-10.5	-1.1	-31.3	-2.5	-46.2	-4.9	-13.1
2nd	1	4.6	-11.4	5.1	-21.8	9	-48.3	15.4	-17.4	5.9
3rd	-0.6	1.3	-3.6	7	-7.4	14	-10.3	45.8	-1.8	9.5
4th	-15.4	-11.3	-13.8	-5.9	-13.7	-2.4	7.6	8.2	11.1	-0.2
5th	-5.2	1.8	-4.7	4	-4	6.4	5.6	-10.8	-0.2	-3.7
6th	-6.2	5.1	-4.5	4.4	-4	3.8	1.9	-5.6	-6.4	2.5
7th	-4.6	9	-1.1	6.8	-0.2	2.5	-1.5	1.3	-0.6	3
8th	-7.3	6	-4.1	5	-0.5	2.1	-1.3	2	2.7	-1.3
9th	0.5	3.7	1.5	2.6	0.3	2	-1	1.2	1.9	-0.6
10th	3.7	3.9	3.7	1.3	-0.3	-0.5	1.8	1.4	-2	0.6
11th	3.5	17.2	5.3	8.1	-0.3	-2.1	5.2	4.4	-4.2	-3.2
12th	3.2	-0.9	1.8	-0.9	-0.6	0.8	1.9	-1.3	-1.7	-0.5
13th	3.6	-1	1.3	-2.1	-1.5	0.3	-1	-0.5	0.7	0
14th	0.2	2.2	0	0	-1	-0.9	-1.4	0.4	1.9	0
15th	-11.2	0.6	-3.2	1.7	3.7	-1.2	3	-1.4	-2.6	0.9
16th	1.3	-5.8	-0.5	-1.9	0	2.9	0.6	2.4	-0.6	-1.4
17th	1.2	2.4	1.1	0.2	-1.1	-0.7	-0.1	-1.2	-0.3	1.8
18th	-2.4	3.3	0.3	1.1	0.1	-1.6	0.4	-1.4	0.1	-0.1
19th	-4.3	0.5	0.1	0.2	1.7	-0.9	-0.7	0.6	1.9	-2.1
20th	4.4	-1.7	-0.3	-0.2	-1.7	2.2	-0.5	0.6	-2	1.6

RUN 24　　　PT 8

V/OR = 0.150	ALFS,U = -1.99	CLRH/S = 0.060460	CTH/S = 0.060479
VKTS = 60.1	MTIP = 0.606	CXRH/S = 0.001574	CP/S = 0.002272

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-21		699.5		365.5		1445		-90.2	
RMS	315.3		249.2		260.5		212		107.6	
1/2 P-P	541		494.1		500.2		412.7		200.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-119.7	416.4	-94	313.4	-80.3	306.4	-74.8	211.6	14.6	141.1
2nd	56.5	-33.6	58.7	-43.1	98.1	-64.1	96.7	-66.8	30.1	10.9
3rd	38.7	-63.4	15.5	-52.8	14.6	-66.3	-2.5	-62.9	18	-14.2
4th	6.1	8.6	17.7	38.5	28.5	52.4	15.8	55.3	-22.9	-24.7
5th	-6.7	12.1	1.6	72.6	1.8	110.2	-0.7	127.6	-6.8	-1.9
6th	0.8	-4.8	-1.6	8.4	-2.5	17.9	-13.1	24.9	-3.4	11.7
7th	-16.5	-5.2	-1.7	-5.5	9.6	-0.5	17.1	7.7	-3.5	5.1
8th	4.6	8.9	9.5	-1.9	2.5	-7.8	-4	-4.7	-0.6	0
9th	-12	-8.7	-6.8	-5	3.7	-4.9	10.3	5.4	1.5	-2.1
10th	-6.4	-8.9	-10.3	-6.7	0	-0.3	7.8	5.2	-1.3	0.1
11th	11.8	-10.7	-1.7	-24.8	1.8	-2.8	4	14.8	-3.4	3.1
12th	12.3	-7.7	6.4	-10.9	4.8	-8.9	-0.5	3.8	-0.8	-1
13th	-2.8	-4.7	-12.8	-1.3	-4.8	-3	1.5	-2.1	-0.7	1.6
14th	1	-2.2	-5.7	-6.5	-2.2	-2.8	-1.8	-2	2.1	3.6
15th	-0.5	-1.5	2	-6.2	-12	0.9	2.4	-1.5	1.1	-3.4
16th	-0.3	2	-0.8	6.4	-2.6	-5.4	0	2.3	1.1	1
17th	-0.9	-1.8	-2.1	-0.8	3.3	2	-1.8	0.4	-3.3	-1.5
18th	2.5	-5.5	-2.8	1.5	-3	13	-2.2	1.7	0.8	-1.7
19th	1.3	-3.4	1.4	1.2	-1.4	7.7	5.4	0.4	-1.1	-0.4
20th	3.3	-6.5	-1.9	5.2	4.5	6.4	-3.8	12.1	1.9	0.8

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RUN 24   PT 9

V/OR = 0.150	ALFS,U = -1.99	CLRH/S = 0.079720 CTH/S = 0.079756
VKTS = 60.2	MTIP = 0.607	CXRH/S = 0.002441 CP/S = 0.003198

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	178.9		19.9		69.6		-57.7		-3.1	
RMS	52.3		33.6		41.1		77.7		30.9	
1/2 P-P	106.9		85.7		90.6		161.2		73.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	9.6	38.8	2.4	-7.2	0.3	-32.7	-16.6	-54.9	-11	-17.1
2nd	8.6	8.3	-7.3	4	-18.3	5	-54.9	9.8	-23.5	4.8
3rd	-15.4	8.3	-14.3	15.7	-17.9	21.9	-18.8	64.5	-2.2	13.1
4th	-25.1	-19.7	-22.3	-9.2	-22	-4	11.2	12.4	16.8	0.9
5th	-6.1	7.2	-2.4	12.8	-1	16.9	4.4	-22.1	-1.4	-8.6
6th	-16.5	6.8	-11.1	7.1	-8	7.1	4	-9.6	-11	1.5
7th	-5.6	12.8	-1.1	9.6	0.2	4.1	-1.5	2	-2.1	4.9
8th	-10.7	13.3	-5.9	11.6	-0.1	5.7	-2.1	3.7	4.6	1.4
9th	-2.8	6.7	-0.2	4.1	-0.3	1.6	-3	1.8	3.4	-2
10th	8.7	7.3	6.3	2.6	-1.1	-2.6	2.9	2	-4.1	-0.7
11th	5.6	34	9.6	16.7	0.5	-5	8.7	9.2	-6.9	-5.9
12th	2.2	-1.1	1.3	-0.7	-0.5	0.4	2.9	-1.3	-2	0
13th	6	-3	1.8	-1.9	-2.6	1.3	-1.5	0.3	1.4	-1.7
14th	2	0.7	0.7	0.2	-1.3	-0.4	-2.6	1.3	3.2	-1.7
15th	-13.7	-6.3	-4.6	1.6	5.8	0.9	5	0.6	-3.7	-0.8
16th	4.2	-9.6	-1	-2.8	-0.9	4.9	1.1	4.6	-0.9	-1.8
17th	1.6	3.3	1.3	0.2	-2	-1.4	0	-0.6	-1.2	1.2
18th	-4.6	4	0.2	1.1	1.1	-2.3	0.6	-1.1	0.5	-2
19th	-8.5	-3.5	-0.2	0.8	4.4	-0.1	-0.8	0.1	5.9	-2.1
20th	9.7	-2.3	-1	-0.3	-3.7	4.4	-0.2	0.1	-3.8	3.6

RUN 24   PT 9

V/OR = 0.150 ALFS,U = -1.99 CLRH/S = 0.079720 CTH/S = 0.079756
VKTS = 60.2   MTIP = 0.607   CXRH/S = 0.002441 CP/S = 0.003198

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	4.7		700.7		356.2		1450.4		-124.3	
RMS	371.5		295.3		310.9		260.9		148.4	
1/2 P-P	638.8		621.9		661.6		543.5		280.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-5.9	513	-10.2	383.9	-2.9	374.4	-16.4	259.4	42	187.6
2nd	54	-10.3	57.8	-30.7	103.5	-55.5	104.9	-65.9	49	26.1
3rd	-15.7	-82.2	-40.8	-74.5	-39.7	-101.4	-54.9	-94	1.5	-21.2
4th	-6.7	15.8	3.4	75	9.6	103.4	-6.5	115	-28.7	-44.4
5th	-18.6	-19	4.1	64.8	12.8	112.9	25.3	147.7	-15.4	-6
6th	-13.3	-12.5	-1.6	14.7	7.8	36	-4.6	47	-6.9	13.1
7th	-5.8	-8.2	-0.8	-5.9	2.2	7.6	3.5	21.4	-4.9	8.7
8th	8.2	-3.3	14.9	-12.5	8.2	-13.3	-1.9	7	2.4	-1.7
9th	-1.3	13.9	4.5	3.6	10.4	-5.7	1.9	-6.8	2.7	-1
10th	4.8	14.2	-3.8	3.4	6.2	5	5.7	-5.3	-0.5	0.8
11th	-8.7	-34	-30.7	-55.8	-9.7	-8.8	24	36.3	-7.2	5.4
12th	-0.7	11.7	-1.9	13.8	-2.6	4	3.4	-5.8	-3.1	0.6
13th	4.8	1.7	1.6	7.6	8.7	2.5	-4.2	-5.1	3.3	-1.3
14th	0.6	-0.5	1	1.8	6.8	4.4	-1.8	-3.4	7.5	1.3
15th	1.6	-2	6.2	1.6	-15.9	2.5	6	2.7	1.9	-5.3
16th	1	0.7	4.1	4.3	4	-14.9	-0.6	4.5	4.9	3.2
17th	2.9	-0.6	-4.8	0.5	0.3	5.4	-5.6	-0.2	-4.3	-3.3
18th	2.6	-0.4	0	-5.8	-3	4.4	0.8	-6.1	0.1	0.2
19th	3.8	1.7	1.2	-2.8	-16.9	1.6	8.9	-1.9	-0.7	-2.6
20th	-7.7	1.5	-0.5	2.5	16.3	-17.2	-0.9	4	4.9	2.1

D-238

RUN 24   PT 10

V/OR = 0.151   ALFS,U = -1.99   CLRH/S = 0.089581   CTH/S = 0.089614
VKTS = 60.2   MTIP = 0.605   CXRH/S = 0.002499   CP/S = 0.003676

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	200.2		33.4		52.2		-57.4		-2.7	
RMS	60.2		36.5		44.2		85.7		34.3	
1/2 P-P	119.5		93.1		83.9		177.5		83.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	12.2	50	2.5	-3.9	-2.4	-32.9	-22.8	-58.3	-13.7	-19
2nd	15.5	9.4	-4.6	3.6	-18.8	4.7	-59.8	5.9	-25.8	3.8
3rd	-15.1	13.2	-16.4	20.5	-22.2	28.1	-25.8	71.4	-3.3	14.2
4th	-25.7	-23.4	-24.2	-11	-23.2	-4	12.2	14.3	18.4	1.8
5th	-6.3	1.6	-3.4	10.1	-1.5	16.2	6.2	-23	-0.7	-9.6
6th	-18.7	5.1	-12.2	6.7	-8.6	6	4.8	-10.9	-12	0.6
7th	-5.4	9.4	-1.5	8.5	-0.1	3.5	-1.3	1.2	-3	5.2
8th	-5.6	15	-1.8	12.7	0.9	7.2	-2	3.9	5.9	3.1
9th	-2.9	8.9	0.6	6	-1.2	2.8	-3.9	2.1	4.4	-1.6
10th	8	9.2	6.7	5.5	-1.8	-1.5	2.3	3	-3.5	-1.6
11th	5.5	38.7	10.2	19.8	0.4	-4.9	9.4	11.3	-7.2	-7.5
12th	1.4	2	1.3	1	-0.3	0.2	3.3	-0.1	-2.3	-0.3
13th	7.3	-0.8	3.2	-1.3	-2.8	0.9	-1.4	1	1.1	-1.8
14th	2.6	3.7	1.6	-0.4	-2	-2	-3.9	0.4	4.5	-1.3
15th	-11.5	-7.4	-4.1	0.4	5	1.6	4.3	1.5	-2.2	-2.1
16th	7	-7.6	0.1	-2.5	-2.2	5	0.1	4.1	-0.5	-1.4
17th	3.1	3.9	1.9	0.3	-2.3	-1	0.1	-0.3	-1.9	1.5
18th	-4.7	4.5	0.6	1	1.1	-2.9	0.7	-0.7	0.2	-2.3
19th	-9.2	-1.4	-0.1	0.7	4.5	-1.6	-1.1	-0.2	6	-3.5
20th	8.3	-2.4	-0.9	-0.1	-2.8	3.9	-0.5	-0.8	-3.1	3.7

RUN 24   PT 10

V/OR = 0.151   ALFS,U = -1.99   CLRH/S = 0.089581   CTH/S = 0.089614
VKTS = 60.2   MTIP = 0.605   CXRH/S = 0.002499   CP/S = 0.003676

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	26.5		702.3		358.1		1447.9		-131.9	
RMS	387.8		316.3		347.5		302.1		166	
1/2 P-P	673.4		671.4		718.7		627.7		314.6	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	63.9	527.9	44	392.4	47.7	389.7	19.1	271.2	54.1	205.3
2nd	82.6	-16.7	80.6	-39.8	130.1	-62.8	128.7	-73.3	64.5	31.7
3rd	8.9	-78.8	-28.3	-78.8	-30.9	-112.6	-54.7	-105.4	7.2	-16.7
4th	-1.5	31.4	9	106.5	15.3	144.9	-4.2	158.6	-29.8	-52
5th	-28.2	-14.3	-18.3	99.4	-20.7	163.3	-10.7	200.1	-13.9	-11
6th	-18.5	-7.7	-5	18.5	4.5	37.5	-7.3	43.8	-10.3	13.6
7th	-6.9	-20.2	-2.5	-4.6	1.9	16.9	4.3	35.3	-5	8.4
8th	7.4	-7.2	11.3	-13.6	6.4	-14.5	0.4	9.9	4.4	0.5
9th	6	6	7	-1.7	12.6	-6.9	-3.3	-0.4	4.9	-2.8
10th	15.7	-4.4	0.8	-13.5	8.9	1.8	0.7	7.8	1	-2.1
11th	-9.5	-40.4	-33.1	-65.7	-9.9	-10.9	26.6	43.8	-6	5.1
12th	11.1	5.6	9.1	-0.8	4.6	-3	-2.3	2	-2.3	0.9
13th	11	3	11.4	3.8	19.2	0.2	-8.6	-4.4	2.4	-2.8
14th	0.8	0.3	-0.2	-5.2	8.6	0.5	-2.2	-5.9	6.1	8.4
15th	-1.1	-2.8	9.9	-0.7	-7.8	-3.4	6.5	3	6.8	-3.5
16th	-2.5	0.5	-11	5.6	-6	-14.5	-4.4	5.5	4.1	1.7
17th	-0.9	0.1	-2.4	0	6.8	1.8	-5.3	-1.2	-3.4	-4.2
18th	3.5	-0.2	-2.1	-4.8	-6.1	6	-1.5	-7	-2	-1.1
19th	4.6	3.7	-0.6	-3.2	-20.1	2.2	6.7	-4.6	-2.2	-0.2
20th	1.2	5	-3.8	3.8	-1.2	-12.3	-10.2	7.2	3.2	1.5

D-240

RUN 24   PT 11

V/OR = 0.151 ALFS,U = -1.99 CLRH/S = 0.100388 CTH/S = 0.100430
VKTS = 60.2   MTIP = 0.605   CXRH/S = 0.002965 CP/S = 0.004401

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	225		49.3		64.7		-55.4		3.1	
RMS	69.4		42.5		48.9		96.1		39.8	
1/2 P-P	137.5		107.2		89.4		198.6		105	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	21.4	53.4	5.2	-3.6	-2.7	-33.3	-28.7	-62.6	-16.3	-22.1
2nd	25.3	10.6	-0.3	2.6	-17.3	2.7	-64.1	-0.4	-29.1	1.6
3rd	-17.8	17.5	-21.5	26.2	-29.2	34.1	-37.1	80.3	-5.4	15.8
4th	-27.2	-28.9	-27.6	-13.8	-26.7	-6.1	12.8	17.4	21.4	3.2
5th	-5.7	-3.6	-5.5	7.4	-4	15.6	10.4	-22.5	1.4	-11.1
6th	-21.5	1.8	-14.5	5.1	-10	4.6	7.2	-11.9	-13.4	-1.2
7th	-9.1	2.8	-4.9	5.1	-1	2.3	-1	1.1	-5.6	5.1
8th	-4.2	15.7	-0.7	13.1	0.8	7.9	-2.5	4.1	6.8	4.9
9th	-6.4	10.7	-0.6	8.2	-1.8	2.3	-5.2	2.3	6.1	-2.2
10th	4.2	10.3	4.9	7.5	-0.9	-1.1	0.9	4.2	-2.1	-3.4
11th	11.6	46.9	14.7	22.6	0.6	-5.6	12.5	14	-10	-9.5
12th	-0.8	5.9	1.2	2.5	0.1	-0.5	3.9	0.6	-3.3	-0.3
13th	7	0.4	3.9	-0.8	-2.5	-0.1	-1.4	0.4	1.2	-1.3
14th	5.4	4.5	2	-0.7	-2.9	-2.7	-5.5	0.3	6.6	-1.5
15th	-6.2	-7.5	-3	-0.6	3.3	2.1	2.6	2.6	-0.4	-3.4
16th	6.3	-5.1	0	-1.5	-2.8	3.3	0.4	3.1	-1.8	-1.1
17th	3.1	2.2	1.5	0	-2	-0.5	0.1	1	-2.9	0.8
18th	-3.8	3.9	0.3	1	1	-2.6	0.2	-0.1	0.4	-1.7
19th	-10	-0.6	-0.1	0.7	4.5	-2.7	-1	-1	6.6	-3.2
20th	6.6	-0.6	-0.7	0	-2.8	2.5	0.2	-1.7	-3.5	2.2

D-241

RUN 24   PT 11

V/OR = 0.151   ALFS,U = -1.99   CLRH/S = 0.100388   CTH/S = 0.100430
VKTS = 60.2   MTIP = 0.605   CXRH/S = 0.002965   CP/S = 0.004401

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	53.6		709.8		357.5		1409.4		-146.3	
RMS	413.7		352.6		402.6		363		191.5	
1/2 P-P	716.5		735		818.5		729.3		368.6	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	101.4	549.3	72.9	410.1	78.3	409.7	44.7	285.4	74.6	227.3
2nd	111.9	-19.9	104.4	-47.1	158.5	-67	154.6	-76.7	86.2	41.4
3rd	37.6	-88.7	-15.6	-97.4	-23	-141.8	-58.2	-132.1	9.1	-20.4
4th	-3.9	45.2	-0.9	144.5	-3	198.7	-26.5	214.5	-28.4	-65.2
5th	-44.9	-20.2	-81	121.5	-117.8	201.1	-115.6	242	-13.7	-13.1
6th	-24.1	-6.2	-13.2	25.4	-5.9	46.8	-17.9	49.6	-15	13.3
7th	-6.1	-27.4	-3.1	0.5	-4.8	28.1	-4.3	44.2	-7.1	10.1
8th	5.5	-2.4	11.2	-9.1	8	-14.4	3.8	6.6	6.1	2.2
9th	3.4	4.3	8.2	-3.6	17.3	-4	-2.8	4.3	8.4	-4.1
10th	13.9	-9.7	3.5	-19.1	8.8	2.6	2.4	15.1	1.7	-5.5
11th	-21.8	-43.6	-48.4	-71.5	-13.2	-12.3	42.1	50.4	-9	5.6
12th	13	11.1	14.2	-0.1	7.7	-0.7	-4.6	0.7	-6.1	1.1
13th	10.5	4.9	10.2	2.7	18.8	1.6	-7.4	-7	1.4	-2.7
14th	1	1.6	-3	-6.1	9.2	-1.4	-1	-6.9	10.6	15
15th	-1.5	-1.4	7.7	1.5	-2.5	-6.2	6.4	4.4	5.5	-0.6
16th	-3.4	0.2	-17.3	5.4	-11.8	-10	-8.3	5.3	5.3	-1.4
17th	-0.7	3.5	-1.5	-0.4	5.3	-3.3	-5.7	-3.7	-3.5	-4.9
18th	4.4	0.6	-1.5	-3.6	-7.4	5.4	-1.1	-6.6	-3.2	-2.3
19th	4.5	5.1	0.9	-5.2	-20	0.7	7.5	-5.9	-2.9	-1.1
20th	13.6	4.9	-8.1	3.1	-18	-0.4	-24.1	10.7	3.3	2.3

D-242

RUN 24   PT 12

V/OR = 0.150   ALFS,U = -1.99   CLRH/S = 0.109522   CTH/S = 0.109572
VKTS = 60.2   MTIP = 0.609   CXRH/S = 0.003335   CP/S = 0.005135

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	246.7		62.3		72.8		-53.7		9.5	
RMS	77.9		47.7		53.3		103.7		44.4	
1/2 P-P	160.2		120.7		103		215.7		115	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	26.2	56.4	6.4	-3.3	-3.1	-33.7	-34.3	-66.3	-18.2	-26.4
2nd	30.1	11.7	1.5	1.8	-17.1	0.4	-67.6	-6.6	-31.9	-0.7
3rd	-23.5	21.7	-28	30.3	-37.6	37.4	-47.2	84.7	-6.4	16.8
4th	-27.3	-33.8	-29.4	-16.9	-28.3	-8.2	13	19.6	23.6	4.4
5th	-2.5	-8.3	-4.8	2.5	-4.2	11.8	12	-19.1	2.8	-10.9
6th	-23.3	-1	-15.8	3	-11.8	3	9.2	-11.6	-14.2	-3.4
7th	-13.9	-6.3	-9.7	-0.1	-2.7	0.7	-0.3	1.2	-9.1	2.8
8th	-4.3	14	-1.2	11.6	0.2	7.8	-3	3.8	5.6	5.8
9th	-11.3	8.9	-4.1	8.4	-2.4	1.8	-7.1	1.5	7.6	-1.5
10th	-0.7	9.5	1.2	8.2	0.2	-1.4	-1.4	4.3	0.6	-3.7
11th	0.2	54.8	10.2	27.8	2.7	-5.1	10.2	17.4	-8.3	-12.3
12th	-6.2	6.4	-0.8	3.9	1.2	-0.8	4.1	1.6	-4.3	-1.2
13th	6.8	1.1	4.3	0.1	-2.1	-0.3	-1	0.6	0.4	-1.1
14th	8.8	10.6	3.2	-0.4	-4.2	-4.4	-7.9	-1.6	9.2	1.1
15th	-1.6	-2.1	-1	-0.6	1.3	1	0.3	1.1	2.8	-1.8
16th	5.8	-0.8	0.1	-0.7	-3.2	1.8	0.1	2.1	-1.9	-1.1
17th	5.4	3.6	2.1	0.2	-3.1	-0.8	-2.1	1.6	-3.2	0
18th	-2.9	5	0.3	1.3	0.2	-2.4	-1.2	-0.2	0	-0.9
19th	-11	-3.6	-0.7	0.9	6.1	-0.9	-0.3	-1.7	7.4	-0.3
20th	8.7	1.4	-0.9	-0.3	-4.9	2.3	2.1	-1.7	-5	1.2

D-243

RUN 24   PT 12

V/OR = 0.150   ALFS,U = -1.99   CLRH/S = 0.109522   CTH/S = 0.109572
VKTS = 60.2   MTIP = 0.609   CXRH/S = 0.003335   CP/S = 0.005135

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	68.9		719.4		360.8		1415.1		-160.3	
RMS	435		381.6		440.6		398.4		214.8	
1/2 P-P	751.8		778.6		877		774.6		399.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	118.7	574	88.8	430.3	99	431.4	62.1	300.4	90.3	250.9
2nd	117.7	-24.2	112.5	-54.4	172.3	-71.5	171.7	-79.7	98.7	52.9
3rd	38.4	-80.8	-26	-100.3	-38.2	-153	-78.9	-142.5	8.6	-18.2
4th	-15.4	60.2	-25.7	182.4	-40	250.8	-65.4	267.2	-20.9	-75.8
5th	-53.7	-34	-127.6	92.2	-188.9	157.2	-192	188.6	-13.2	-12.8
6th	-27	-4.1	-20.8	26.5	-17.6	49.6	-30.9	45.6	-19.4	14.4
7th	-3	-28.9	-1.5	5.2	-10.9	34.1	-16.3	43.7	-11.9	9
8th	3.4	3.4	10.9	-2.1	11	-11.9	2.7	5	3	3.6
9th	3.3	7.9	13.1	-1.7	21.2	1.1	-4.9	3.3	9.6	-4.2
10th	9.7	-11	6.3	-20.1	6.2	4.6	2.5	16.9	5.7	-4.7
11th	-13.9	-49.6	-34.2	-87.4	-12.1	-16	34.6	65.6	-10.6	5
12th	15.3	29.9	29.4	19.6	13.3	12.3	-10.4	-8.5	-6.8	-2.5
13th	3.8	5	1.9	1	10.5	1.2	-2.5	-9.2	1.4	-4.8
14th	0.7	4.3	-3.8	-5.5	12.2	4.3	-0.5	-7.9	8.9	28.4
15th	-2.7	-1.3	3.5	1.4	1.7	-3.4	4.6	5.8	1.3	1.8
16th	-2.2	-0.1	-21.1	2	-14.6	-6.5	-11.4	2.4	5.5	-0.4
17th	-1.1	4.1	-3.8	-0.7	6.5	-4.6	-5.6	-6	-2.2	-3.3
18th	4.2	2.7	-4.1	-3.1	-10.6	4.7	-1.9	-4.9	-2.8	-3.6
19th	5.5	9.6	2.2	-5.9	-26.4	-7.3	6.6	-4.7	-2.7	-3.6
20th	12.1	6.4	-9.2	2.4	-12.9	-3.1	-30.2	7.2	2.7	4.2

RUN 24   PT 13

V/OR = 0.151   ALFS,U = -1.99   CLRH/S = 0.119700   CTH/S = 0.119757
VKTS = 60.3   MTIP = 0.605   CXRH/S = 0.003745   CP/S = 0.006118

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	268.1		78.3		91.1		-52		13.7	
RMS	89		51.8		56.3		106.8		47.5	
1/2 P-P	188.6		128.8		120.1		221.9		120.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	33.8	67.1	10.8	-0.9	-0.9	-35.1	-38.3	-68.9	-19.6	-30.4
2nd	38.2	16.1	5.4	1.2	-16.4	-1.7	-71.7	-15.7	-33.1	-3.6
3rd	-26.3	26.7	-31.9	32.3	-42.4	36.8	-52.3	81	-7.5	15.7
4th	-29.1	-36.5	-31.9	-20.6	-30.9	-11.7	13.3	21	24.8	6.7
5th	-1.5	-11.6	-4.1	-3.4	-4.3	4.7	11.7	-11.8	5.2	-9.6
6th	-21.3	-3	-16.2	-0.4	-13.3	-1.1	12.4	-8.4	-11.2	-6.3
7th	-14.5	-20.7	-13	-8.7	-5.1	-2.8	1.9	0.7	-12	-1.4
8th	-6.5	7.1	-3.2	6.8	-1	5.4	-2.4	2.8	0.8	6
9th	-15.5	5.8	-7	7.9	-3.6	1.6	-8.4	0.2	8.1	0.7
10th	-11.7	7.5	-5.5	8.8	0.9	-2.1	-7	4	7	-3.7
11th	-6.7	51.2	5	27.2	4.4	-3.5	6	17.7	-4	-13.9
12th	-15.2	4.6	-4.3	5.1	3.5	-0.4	4.6	3.5	-5.5	-2.9
13th	0.5	-0.8	1.5	0.8	0.5	0.2	0.6	0.9	-2.9	-0.4
14th	11.1	10.5	3.8	0.5	-5.3	-3.3	-8.7	-2.1	9.3	2.8
15th	-3.2	10.9	2.3	3	0.5	-4.2	-1.3	-5.7	6.2	3.4
16th	-0.6	0.5	-1.2	0.8	-0.7	0.1	3	0.3	-1.2	-1
17th	8.9	4	3	-0.4	-5	-0.2	-4.3	3	-2.7	-1.3
18th	1.1	6.2	0.6	0.7	-2	-2.4	-3.7	0	-2.7	-1
19th	-10.9	-6.7	-0.4	0.4	7	0.2	0.3	-2.6	6.9	1.1
20th	16.8	-7.2	-1.7	-0.8	-6.8	8.3	4.4	-2.3	-5	7.4

D-245

RUN 24   PT 13

V/OR = 0.151   ALFS,U = -1.99   CLRH/S = 0.119700   CTH/S = 0.119757
VKTS = 60.3   MTIP = 0.605   CXRH/S = 0.003745   CP/S = 0.006118

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	93.1		724.9		360.9		1409.3		-177.5	
RMS	462.2		389.7		439.2		380.5		246.4	
1/2 P-P	754.8		757.9		855.2		755.4		462.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	137.9	611.5	99.3	455.7	108	459.2	73.2	314.7	105.4	287.6
2nd	129.7	-13.3	120.3	-45.5	185.9	-57.6	183.3	-68.3	118.4	68.2
3rd	39.8	-45.1	-25	-77	-36.7	-134.5	-83	-130	3.9	-17.2
4th	-10.2	70.9	-27.9	185.4	-46	248.1	-74.5	264.1	-30.6	-74.7
5th	-37.7	-47.3	-112.8	22.2	-171.4	50.4	-173.3	60.7	-19.1	-4.1
6th	-23.2	4.4	-29.8	16.6	-27.7	31.5	-47	14.4	-12.6	23.9
7th	-6.5	-32	-10.9	16.8	-23.4	48.6	-32.3	50	-5.4	4.9
8th	-4	17.8	10.2	16.1	11.4	0.2	4.5	2.6	-4.3	1.5
9th	4	-1.5	19.9	-6.1	27.8	5.8	-5.3	6.7	5.2	-3.1
10th	10.1	-16.1	17.7	-27.5	5.6	3.2	-11.2	17.4	6.4	0.1
11th	-2.9	-48.5	-17.1	-85.6	-9.1	-16.8	18.5	68	-3.5	6.5
12th	24.4	27.4	47.6	14.7	16.3	11.3	-19.7	-2.9	-10.2	-9.4
13th	-1.8	6.4	1.2	5.7	2.6	4.9	3.2	-8.9	0.3	-8.1
14th	-0.3	2.6	-6.1	-3	12.8	5.5	2.6	-6.2	7.6	24.7
15th	-3.1	-2.2	-1.7	-8.4	4.3	7.7	5.2	2.7	-12.4	0.2
16th	-0.7	-0.9	-9.3	1.7	-10.2	3.7	-8.7	2.8	11.6	0.3
17th	-3.5	3	-5.7	-0.1	12.6	-4.7	-5.6	-5.5	1.4	-0.4
18th	-3.5	3.7	-3.1	-0.3	6.2	3.2	-0.1	-5.4	1.4	-1.8
19th	0.9	6	5.1	-2.1	-19	-7	12	0.2	-2.1	-5.5
20th	-7.4	21.8	-5.1	1.7	0.8	-51.2	-21.5	-3.2	4.4	2.9

D-246

RUN 28   PT 7

V/OR = 0.149   ALFS,U = 5.00   CLRH/S = 0.058353   CTH/S = 0.058629
VKTS = 60.2   MTIP = 0.610   CXRH/S = -0.005720   CP/S = 0.001005

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	135.6		-24		1065.1		-82.2		-22.6	
RMS	26.2		27.7		58.4		49.4		16.3	
1/2 P-P	86.3		58.5		152.9		94.6		40.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-6.5	0.6	-2.3	-20.5	-2.8	-24.9	13	-39.5	-0.9	-10.4
2nd	-12.3	2.7	-22.2	8.3	-37.8	11.6	-47	24.2	-14.5	7.6
3rd	4.1	-13.1	-2.3	-12.1	-4.3	-8.6	-9.1	11.2	-2.1	2.5
4th	-6.9	-9.7	-7.9	-7.1	-6.7	-8.9	3.1	4.4	5	0.3
5th	3.1	-2	3.2	-4.2	5.4	-2.4	-1.9	1.8	-1.5	1.3
6th	-0.4	2.3	1	1.3	4	6.4	0.1	-1.7	-2.6	1.4
7th	4.7	0.8	3.7	-0.1	-0.7	0.7	0	0.7	1.2	-0.1
8th	-1.1	2	0.1	1.3	0.4	1.8	-0.1	0.2	1.1	-0.5
9th	0.5	-3.7	0.3	-2.3	0.8	-1.7	-0.2	-1.9	0.6	0.8
10th	-4	-1.5	-2.2	-1	-0.2	-1.3	-1.9	-0.2	2.2	0.6
11th	-14.3	-19.1	-10.7	-7.1	1	2.3	-6.9	-2.8	5.8	1.8
12th	2.6	-8.1	0.1	-4.2	0.3	1.3	0.2	-1.2	-0.5	-0.1
13th	1.6	-3.8	-0.3	-2.4	-0.7	2.4	-0.7	-0.8	-0.4	1.2
14th	-2.7	-4.1	-1.1	-1.6	0.9	0.7	0.6	0	-0.5	0.8
15th	-4.8	-10.8	-3.1	-2.3	2.6	2.7	2.9	3.4	-2.1	-3.6
16th	0.3	-4.4	-0.6	-1.2	1.7	1.4	-0.1	2.3	-0.2	-2.2
17th	-3.3	-1	-0.4	0.4	3.8	-1.4	0.1	0	0.1	-0.3
18th	-4.9	0.7	-0.4	0.5	1.4	-1.1	0.1	-0.5	1.6	-0.2
19th	-4.4	-1.3	0.1	0.6	3.4	-1.5	-0.2	0.1	2.7	0.4
20th	2.8	-1.9	-0.3	-0.2	-2.2	0.6	-0.2	-0.1	-2.1	2.9

D-247

RUN 28   PT 7

V/OR = 0.149   ALFS,U = 5.00   CLRH/S = 0.058353   CTH/S = 0.058629
VKTS = 60.2   MTIP = 0.610   CXRH/S = -0.005720   CP/S = 0.001005

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-36		706.4		384.8		1448		-11.5	
RMS	196.2		165.8		189.5		163.5		81.5	
1/2 P-P	355.4		341.4		367.5		304.4		174.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-180.5	195	-144.6	148.6	-134.4	162.9	-112.2	110.7	3.7	107
2nd	51.1	-34.2	67.2	-41.1	116.5	-71.6	110.2	-73.9	4.7	-6.8
3rd	6.6	35.7	-1.6	41.2	5.4	35.3	-1.3	10.4	31.3	-11
4th	10.8	1	5.1	5.9	6.2	2.1	-7.6	-6.6	-1.8	-13.3
5th	-4.7	0.9	7.7	-42.2	20.6	-74.4	25.7	-95.1	-11.3	10.8
6th	1.1	-2.5	-4	-1.3	-5.9	0.1	-7.7	-0.5	-4	4.5
7th	4.9	4.6	0.3	1.4	0.9	-2.1	3.2	-4.1	2.2	-1.7
8th	2.2	3.9	2.2	0.5	2	-1.3	0.8	-2.5	-1.5	1.3
9th	-5.9	4.8	-2.5	5.4	1.8	1.1	6	-6	-0.5	-2.1
10th	2.7	-4.9	4.2	-4.5	0.5	-1.7	-3.1	1.5	-3.2	2.1
11th	4.5	9.7	20.8	18	1.2	-0.6	-14.1	-13.3	2.1	-4
12th	8	-0.8	8.5	3.3	5.5	-4.7	-2.4	-3.4	-0.6	-2.9
13th	-7.3	-6.9	-17.6	-1.8	-12	-5.2	4.9	-0.7	1.6	1.1
14th	-2	-0.8	-5.4	-1.3	-9.3	-6.1	2.4	-0.6	-4.1	-1.3
15th	0.9	0.3	3.2	9.1	-10.2	-3.2	1.2	1.2	1.5	-1.3
16th	0	-0.3	1.8	4.1	-0.2	-2.3	1.1	0.8	3	0.1
17th	1.2	-0.7	1.5	0.1	-4.4	1.8	2.5	0	1.7	-3.2
18th	1.8	1	1.5	-3.5	-6.1	1.6	3.1	-3.2	-0.3	-1.5
19th	4.8	-1.1	-1	0	-11.1	6.8	1.7	2.1	-1.1	-2.1
20th	0.4	0.5	-1.7	2	-0.8	-3.2	-3	3.5	0.1	1.1

D-248

RUN 28   PT 8

V/OR = 0.151   ALFS,U = 5.00   CLRH/S = 0.069932   CTH/S = 0.070249
VKTS = 60.2   MTIP = 0.604   CXRH/S =-0.006694   CP/S = 0.001202

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	152.4		-10.7		1046		-85.1		-16.7	
RMS	34.1		28.1		76.3		55.3		19.8	
1/2 P-P	109.9		76.1		213.5		104.8		52.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-11.5	14.9	-5.2	-15.9	6.1	-30.8	3.6	-40.9	-5.9	-10.8
2nd	-8.4	5.4	-21.2	8.9	-35.8	38.1	-53.9	24.3	-18.3	8
3rd	3.8	-10.7	-4.8	-7.6	-5.2	1.7	-15.7	21	-4.1	4
4th	-10.6	-11.4	-11.4	-8.1	-18.5	-2.6	4.5	5.8	5.7	1.3
5th	0.4	-3.6	-0.4	-5.3	-8.4	-7.2	2.9	1.9	-0.7	2.6
6th	1.2	-0.5	1.7	-0.7	-4.9	10.4	0.3	-2.2	-2.6	1.9
7th	4.3	-2.8	3.4	-2.3	1.3	-8.6	-0.9	-0.2	2	-0.3
8th	-3.8	-4.5	-2.6	-3.1	-1.9	5.6	-1.2	-1.3	1.2	-1.1
9th	-1.3	-6.1	-2.2	-4.2	-8	-2.4	-1.8	-2.3	0.8	0.9
10th	-7.2	-2.9	-4.4	-1	3.7	0.5	-3.8	0.9	3.1	-0.3
11th	-19.6	-27	-14.5	-10.5	18	9.1	-8.6	-3.9	6.6	2.3
12th	2.1	-8.3	-0.1	-4.3	-0.5	0.6	0.6	-1	-1.8	0.2
13th	0	-5	-1	-1.6	-2.7	3.8	-0.6	0.3	-0.6	1.6
14th	-4.5	-7.5	-2.1	-1.8	5.1	0.8	0.8	2	-0.3	-0.4
15th	-7.8	-11	-4.3	-2.2	8.8	7.3	3.7	3.7	-2.8	-3.7
16th	-2.2	-5.5	-1.3	-1.1	0.3	2.2	0.8	2	-1	-1.2
17th	-5.4	-2.1	-0.6	0.3	5.5	-1.9	0.8	-0.9	0.6	2.1
18th	-5.6	-1.2	-0.3	0.7	5.7	3.9	0.6	-1.5	2.3	2.2
19th	-2.5	-3.5	0	0.7	6.2	-5.8	0.5	-0.8	1.2	2.9
20th	4.6	-1	-0.3	-0.4	-0.5	-1.6	0.4	-0.7	-4.7	3.8

RUN 28   PT 8

V/OR = 0.151   ALFS,U = 5.00   CLRH/S = 0.069932   CTH/S = 0.070249
VKTS = 60.2   MTIP = 0.604   CXRH/S = -0.006694   CP/S = 0.001202

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-49.4		677.8		367.5		1429.7		-34.3	
RMS	319.2		250		253.3		200		106.5	
1/2 P-P	519.4		441.6		472.6		391.2		217.6	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-233.3	375.2	-179.2	280	-155.6	267.9	-121.1	173.8	6.5	139.5
2nd	65	-32.8	80.9	-45.4	134.2	-78.2	127.9	-84.1	19.4	0.6
3rd	47.9	3	28.8	7.4	34.8	-3.8	18.9	-24.5	39.2	-15.9
4th	6.2	-1	-2	9.6	-1.7	7.7	-18.9	-0.9	-9	-19.1
5th	-11.4	7.8	-41.2	-17.7	-58.9	-40.6	-68.4	-60.3	-9.5	13.1
6th	3	-2.8	-5.3	6	-9.4	10	-12.1	9.2	0	5.6
7th	-6	-6.6	-1.5	2.3	7.8	5.2	16.3	4.9	0.6	-3.2
8th	-0.7	4.3	4.1	5.9	4.7	2.6	1.5	-6.3	-2.5	-0.9
9th	17	7.1	13.5	5.3	4.7	1.5	-9.8	-7	1.1	0.4
10th	5.8	-6.3	9.2	-6.9	1.5	-4.5	-6.3	2.3	-1.1	-1.2
11th	-2.6	15.5	21.9	28.1	-2.6	-0.5	-15.3	-19.8	0	-7.4
12th	-4.1	2.2	-4.1	10.7	-2.8	-1.1	2.6	-5	-1.7	-2.9
13th	-6.6	4.7	-4.6	19.2	-3.9	9.3	2.3	-3.5	2.3	1.1
14th	-2.3	0.4	0.7	8.1	-7.1	-2.1	2.7	0.1	-3.4	-5.5
15th	0	2.4	2.4	12.6	-16.4	0.1	0.6	1.4	2.1	0.2
16th	2.7	2.3	4.3	1.5	-4.1	-7.1	0.1	1.1	2.9	-1.3
17th	0.4	-0.8	3.6	-0.4	-5.8	1.3	3.2	2.4	-0.9	-2.5
18th	2.1	0.5	1	-2.8	-9.3	1.9	3.5	1.3	-1.9	-2.6
19th	-6.9	-6.9	8.1	0.8	13.5	1.7	14.6	6.4	2.8	-2.8
20th	-12.3	2.8	1.3	-1.4	15.4	-19.7	4.7	-6.5	-0.2	-2.1

D-250

RUN 28   PT 9

V/OR = 0.150   ALFS,U = 5.00   CLRH/S = 0.079944   CTH/S = 0.080313
VKTS = 60.2   MTIP = 0.606   CXRH/S =-0.007720   CP/S = 0.001439

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	171.5		0.6		848.5		-87.4		-31.1	
RMS	40.4		29.7		115.7		61.8		24.6	
1/2 P-P	120.2		76.7		327.3		128.7		64.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-9.6	24.2	-5.5	-13.7	3.8	-47.9	-5.1	-41.6	-10.2	-11.5
2nd	-7	5	-21.9	8.6	.9	14.8	-61.3	24.3	-22.5	8.9
3rd	-1.5	-11.5	-8.9	-5.8	-11.9	6.2	-20.8	27	-6.5	6.1
4th	-11.2	-12.2	-12.5	-8.9	-29.1	-6.3	4.8	4.7	5.7	2.8
5th	2	-1.2	0.6	-1.1	-0.7	-5.1	2	-4.9	-1.2	2
6th	2.6	-0.2	3.2	-1	14.9	1.2	-1.9	-3.4	-2.6	2.8
7th	2.1	1.9	2.9	0.6	10.7	19.4	-2.9	-1	1.8	0.8
8th	-9.6	-7.6	-7.5	-4.2	-5	-16.1	-2.9	-2.2	-0.3	-0.8
9th	-3.4	-9.5	-3.5	-5.9	-19.5	3.1	-3.7	-2.7	1.3	0.6
10th	-11.8	-0.8	-6.7	0.5	6.7	14	-5.3	3.1	3.1	-2.6
11th	-29.9	-17.5	-18.4	-3.3	8.8	0.9	-9.8	0.6	5.9	-1.2
12th	-4.7	-7.7	-2.6	-2.3	7	-1.1	0.3	-1	-2.5	1.2
13th	-5.3	-3.4	-3.4	-0.4	-17.5	9.2	-1.4	-0.4	0.2	3.7
14th	-9.3	-3.6	-3.5	0.5	6.5	-5.2	1	0.7	0.4	1.3
15th	-19.8	-3.7	-5.9	2.1	13.6	-7.3	7.1	-1.9	-6.1	0.6
16th	-12.6	-6.7	-4.1	0.8	8.7	11.9	5.5	-1.2	-5.4	1.5
17th	-7.8	-3.3	-1.3	0.2	5.2	-11.3	1.7	-1.8	-1.2	3.5
18th	-3.5	-1	-0.3	0.5	-13.7	-5.9	0.8	-1.5	-0.1	2.5
19th	2.6	-2.4	-0.2	0.2	7.7	14	1.6	-0.2	-3.8	2.3
20th	7	3.3	-0.4	-0.6	12.7	-1.8	1.8	0.1	-8.3	1.1

RUN 28   PT 9

V/OR = 0.150	ALFS,U = 5.00	CLRH/S = 0.079944	CTH/S = 0.080313	
VKTS = 60.2	MTIP = 0.606	CXRH/S =-0.007720	CP/S = 0.001439	

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-44.3		679.1		367		1448.3		-50.4	
RMS	331		260.6		269.8		212.9		120.1	
1/2 P-P	575.9		521.2		505.7		468.2		233.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-136.6	433	-102.5	318.5	-87.2	302	-71.8	193.7	18.1	159
2nd	63.8	-40.9	83.7	-56	145	-91.6	141.9	-98.1	27.7	0.4
3rd	31.8	-57	9.5	-48.8	18.6	-62.9	2.2	-73.2	34.2	-18.8
4th	11.8	2.1	4.5	12.8	6.1	10.9	-14.5	2.6	-12.5	-13.4
5th	4.4	25.5	3.8	67.4	2	96.3	-2.1	96.1	-4.3	12.6
6th	-5.2	-0.5	-7.5	11.3	-7.2	18.3	-6	16.2	0.4	6.2
7th	-19	4.7	-3.5	4.7	12.7	1.9	23.6	-2.3	0.6	-2
8th	9.6	4.3	15.5	6.8	10.2	5.8	-6.2	-4.2	-1.7	-0.7
9th	-3.4	0.8	5.7	4.5	6.5	-0.1	2.1	-8.2	-0.9	-3.6
10th	-1.1	-6	8.1	-9.8	0.5	-5.4	-6	4.5	-5.1	0.4
11th	35	13.1	60	8.2	9.6	-2	-39.1	-8	1.3	-8.7
12th	16.1	-4.7	21.4	-4.6	7.6	-6.3	-6.7	1.4	-5.1	-6.1
13th	-14	8.2	-12.8	24.1	-15.1	16.7	4.9	-4.4	3.8	4.2
14th	-3.5	2.2	-0.1	7.9	-12.1	5.8	3.5	-0.6	-3.4	-4.2
15th	0.8	2.6	11.6	3.8	-19.6	9.3	2.9	-0.4	-6.4	-3.1
16th	3.8	2.1	14.9	-0.2	-10.6	-0.4	3	3.8	3.5	-6.1
17th	3.3	-2	4.6	-2	-10.7	2.1	3.8	3.8	-3.7	-1.5
18th	-1.1	-5.1	2.4	-0.8	0.4	6.2	5.3	4.6	-0.4	-0.3
19th	0.2	2.5	-1.6	0.2	-0.5	-6.8	-3	1.3	4.9	-1.1
20th	-10.9	-3.5	2.9	2.6	27.8	-5.3	1.3	-3.8	2.2	2.8

D-252

RUN 28   PT 10

V/OR = 0.150   ALFS,U = 5.00   CLRH/S = 0.089215   CTH/S = 0.089612
VKTS = 60.2   MTIP = 0.607   CXRH/S =-0.008453   CP/S = 0.001748

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	189.7		12.1		457.1		-88.4		-41.6	
RMS	48.3		33.5		99.7		68.3		28.3	
1/2 P-P	125.9		84.3		273.7		149.9		77.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-2.8	31.9	-3.5	-11.6	-5.8	-4.7	-12.3	-43.6	-13.1	-13.1
2nd	-5.9	7.3	-22.4	9.5	-30.7	9	-67.3	24.3	-25.3	7.9
3rd	-8.8	-9.8	-13.5	-2.9	-10.2	2.8	-24	31.1	-6.5	7
4th	-11.1	-14.6	-11.9	-10.7	-31.8	5.6	2.5	4.8	5.7	3.4
5th	4.5	1.1	4.6	2.6	-5.4	10.6	-2.6	-9.7	-2.8	0.6
6th	4.9	0.7	4.6	-0.8	-0.4	-2.2	-3.6	-4.8	-3.7	2.7
7th	-0.2	6.7	1.5	3.8	-4.6	7.6	-3.8	-1.9	0.1	2.3
8th	-10.1	-17	-9.7	-10.4	-4	0.7	-3.8	-4.2	-1.3	-1.6
9th	-6.1	-11.2	-6	-7.3	1.1	-0.5	-5.3	-2.4	0.7	0
10th	-14.7	3.1	-8.4	3.4	1.3	-2	-5.8	6	2.4	-4.6
11th	-40.9	-10.5	-22.7	2.7	-30.6	16.1	-11.3	4.4	6.5	-3.9
12th	-9.4	-5.9	-4.4	-0.8	0.1	-2.6	-0.5	-1.4	-1.6	2.4
13th	-6.1	0	-2.9	1.3	-8.7	9.9	-2.3	-0.9	2	4.4
14th	-8.1	1.1	-1.5	1.8	-2	-2.2	-0.2	-0.6	2.5	1.1
15th	-17.7	6	-3.2	4.3	15.3	-9.4	4.4	-6.5	-5	3.1
16th	-12.1	-2	-2.9	2.6	13.5	-4.7	4.7	-4.6	-6.8	3.9
17th	-3.1	-1.4	-0.7	-0.3	2.3	2.4	1	-1.6	-2.9	4
18th	3.5	-0.1	0.3	-0.5	-2.8	-6	0.5	0.2	-2.4	1.7
19th	9.5	-4.3	-0.1	-0.9	-2.3	-1.1	2	0.8	-6.7	1.7
20th	13.6	2.3	-0.9	-1	-9.3	9.8	2.6	0	-11.8	1

D-253

RUN 28   PT 10

V/OR = 0.150   ALFS,U = 5.00   CLRH/S = 0.089215   CTH/S = 0.089612
VKTS = 60.2   MTIP = 0.607   CXRH/S = -0.008453   CP/S = 0.001748

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-27.9		685.3		371.8		1460.4		-62.6	
RMS	348.2		277.7		295.4		242.7		134.1	
1/2 P-P	593.4		533		595.1		548.1		241	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-77.5	470.7	-55.7	344.3	-42	327.3	-33.5	208.6	31.4	178.3
2nd	71.4	-32.2	94.1	-55.9	160.2	-96.6	158.3	-108.3	31.9	4.7
3rd	-10	-74.6	-29.3	-68.7	-19.2	-89.6	-32.5	-97.9	24.2	-20.2
4th	11.6	-9.4	1.9	2.3	0.9	0.2	-19.5	-6.7	-14	-15.1
5th	14.2	15	54.8	66.1	83.4	102.5	93.2	109.8	-3.6	8.8
6th	-5.9	2.4	-9.9	18	-11.5	27.8	-11.7	25.1	1	11.9
7th	-13.9	13.4	1.5	6.7	14.8	2.3	20.6	-1.2	1.2	0.4
8th	14.6	5.7	22.6	13.2	13.9	8.7	-6.9	-9.8	-0.8	-4.7
9th	4.6	11.2	14.7	9.8	7.7	0.4	-5.8	-13	-2	-0.8
10th	17.5	13.3	24.6	-3	4.7	-4.1	-17.1	-2.7	-2.4	-0.8
11th	31.9	13.1	64	1.6	6	-1	-43.3	-1.7	-1.9	-8.1
12th	-12	-7	-6.4	-0.1	-12.2	-1.9	4.3	2.9	-6.6	-4.6
13th	-9.8	11.3	0.2	24.2	-3.9	20	2.1	-3.4	.2	1.9
14th	-3.6	3.8	7.7	7	-0.5	9.5	3	-1.7	-7.9	-3.4
15th	1	1.1	8.9	-3.3	-13.6	16.9	1.9	-3.2	-8.9	-3
16th	6.4	-1.7	10	-7.8	-13.9	2.4	0.2	3.4	2.1	-11
17th	2.7	-3	3.3	-1	-5.1	3.4	-0.3	4.6	-3.1	-0.1
18th	-1	-3.7	-1.7	0.5	4.8	-0.7	-1.5	4.6	1.5	1.5
19th	-5.4	-0.4	-0.8	6.2	14.8	-12.3	-2.3	5.1	3.3	1.3
20th	-8.9	-6	2.5	9.7	36.1	-1.9	-3.7	5.2	5.5	6.9

RUN 28   PT 11

V/OR = 0.151   ALFS,U = 5.00   CLRH/S = 0.100526   CTH/S = 0.100962
VKTS = 60.2   MTIP = 0.605   CXRH/S = -0.009398   CP/S = 0.002184

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	209.8		26.5		782.3		-88.6		-43.2	
RMS	60.4		41		256.5		74.1		30.8	
1/2 P-P	156.1		100.9		938.7		171.9		79.6	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	2.6	39.2	-2.3	-10	-4.6	-14.2	-18.4	-47.7	-16.7	-16.4
2nd	-2.7	10.1	-21.7	10.7	-11.1	4.6	-71.6	21.9	-24.8	6.7
3rd	-17	-6.2	-19.3	0.1	5.2	34.7	-28.3	32.5	-6.9	7
4th	-13.8	-14.1	-13.2	-9.4	-52.6	44.3	1.5	4.7	5.7	2.9
5th	9	0.6	10.9	2.2	4.6	-13.1	-.9	-9.3	-6.4	-0.4
6th	5.7	1.2	5.6	-0.8	23.2	15.4	-4.9	-5.3	-5.6	1.9
7th	-5	5.8	-2.3	4.1	31.1	-69	-3.5	-2.8	-2.4	2.2
8th	-6	-33.4	-9.3	-21.6	15	-0.2	-3.5	-6.8	-1.5	-4.1
9th	-5.8	-12.6	-7.5	-7.3	-28.1	-15.7	-5.8	-2.1	-0.3	0.5
10th	-15.6	6.7	-8.8	6.9	16	-22.8	-5.2	8.9	2	-6.8
11th	-56.7	-1.5	-28.9	10.7	-61	130.7	-13.9	8.4	8.1	-6.2
12th	-11.2	-3.7	-5.4	0.9	-14.6	-5.5	-1.7	-2.6	-0.1	3.2
13th	-2.4	5.1	-1	3.4	15.3	95.1	-4.2	-1.6	3.6	4.4
14th	-4.9	9.9	1.2	3	-21.1	16.9	-1.9	-3.3	3.5	2.3
15th	-9.7	13.1	0.4	5.5	31.7	-62.1	1.8	-8.4	-4.1	4.2
16th	-6.4	2.4	-0.7	3.2	10.1	-18	3.4	-6	-6.7	5.3
17th	1.4	0.3	-0.1	-0.3	-11.6	-31.4	1.1	-0.9	-2	3.3
18th	6.5	0.2	1	-1.1	15.1	28.5	0.6	1.9	-1.4	-1.7
19th	6.9	-2.3	0.3	-1.4	-25	17.1	2.2	2.2	-5.4	-4.1
20th	9.2	-3.5	-0.4	-1	61.9	-17.2	2.4	0.3	-7.4	1.4

D-255

RUN 28   PT 11

V/OR = 0.151   ALFS,U = 5.00   CLRH/S = 0.100526   CTH/S = 0.100962
VKTS = 60.2   MTIP = 0.605   CXRH/S =-0.009398   CP/S = 0.002184

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-7.9		684.4		375.6		1462.4		-78.8	
RMS	374.3		303.3		323.4		272		149.4	
1/2 P-P	611.3		594.6		654.4		585.1		271.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-30	509.7	-15.7	372.4	0.7	355.7	3	224.3	44.7	197.2
2nd	89.5	-33.2	112	-63.6	182.5	-108.5	178.8	-123.1	37.7	12.9
3rd	-54.2	-56.7	-70.1	-58.9	-60.2	-89.9	-71.1	-103.8	12.4	-19.6
4th	-6.6	-22.7	-24.8	-4.5	-33.9	-5.1	-53.5	-5.3	-18.9	-14.1
5th	8	-1.3	76.4	22.4	125.8	37.9	150.7	37	-4.9	8.2
6th	-16.7	2.9	-11.9	28.8	-7.6	46	-4.3	45.1	3.4	14.4
7th	-9.2	12.9	5.8	11.1	14.7	10.1	10.9	7.6	-0.5	4.5
8th	13.8	5	23.7	25	15.3	14.7	-5.5	-18.2	3.1	-8.5
9th	12.2	3.8	20.2	4.5	14.3	-1.3	-5	-4.2	0.4	-2.2
10th	27.2	-3.7	28.4	-19.9	7.2	-10.2	-21.4	10.2	-0.1	-4.9
11th	42.6	-3.8	78.3	-25.5	5.6	-6	-54.5	18.7	-6.6	-11.3
12th	2.4	8.2	16.8	11.5	1.9	8.2	-5.3	1.1	-4	-2.4
13th	-12.3	19.6	1.1	33.8	4.9	30.6	1.3	-4.9	7.5	2.5
14th	-3.4	6.1	4.6	-2.3	5.5	9.3	1.8	-5.9	-9.7	4.5
15th	3.8	3.7	8.9	-0.2	0.7	24.6	-2.4	-5.6	-8.4	-1.7
16th	7.7	-0.6	3.2	-9.7	-11.3	2	-5.3	2.6	1.2	-13.7
17th	5	-2.8	-0.4	-2.3	-2.2	1.4	-6	5.4	-3	1.1
18th	-1.5	-2.8	-6.4	2.2	5.4	-1.8	-4.4	3.7	-4	4.2
19th	-7.8	5.1	-1.4	5.1	12.6	-16	0	-4.5	-1.9	3.5
20th	-16.9	-2	8.2	8.9	36.9	-14.2	12.3	0.2	4.2	4.9

D-256

RUN 28   PT 12

V/OR = 0.151   ALFS,U = 5.00   CLRH/S = 0.109231   CTH/S = 0.109708
VKTS = 60.3   MTIP = 0.605   CXRH/S = -0.010235   CP/S = 0.002608

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	228.5		38.5		1273.1		-88.1		-34.4	
RMS	68.4		45.4		582.8		79.3		33.3	
1/2 P-P	197.3		116.5		1275.1		184.6		90.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	5.9	44.6	-1.8	-8.7	-141.6	-72.9	-22.7	-51.6	-18.2	-18.2
2nd	0.7	11.6	-20.7	11.3	-0.3	68.7	-75.2	18.8	-26.8	4.6
3rd	-20.7	-0.5	-22.3	4.6	-49.7	46.8	-35.8	34.6	-6.9	6.3
4th	-12.9	-12.4	-12	-8.4	-130.4	179.8	-1.1	5.1	6.1	2.4
5th	11.2	-3.2	13.2	-2	19	0.5	-10.9	-5.4	-7.3	-1.5
6th	5	0.6	5.7	-2.1	-27.8	34.3	-5.7	-4	-6.3	0.8
7th	-13	-3.1	-8.8	-0.6	68.8	-13.6	-2.9	-2.9	-4.4	0.9
8th	-3.8	-45.2	-9.2	-29.9	5.8	-117.2	-2.6	-7.8	-1.3	-6.5
9th	-7.8	-11.8	-8.6	-5.6	-41.2	-52.6	-5.2	-0.6	-0.8	-0.8
10th	-20.5	11.5	-10.4	11.3	-87.7	-12.8	-4.4	11.2	2.1	-7.6
11th	-59.2	-5.7	-30.5	9.2	-40.6	425.7	-14.2	5.5	9.6	-3.1
12th	-9.9	2.9	-3.4	3.4	-15	65.4	-2	-3.5	0.3	3.6
13th	0.2	10.4	1.9	5.4	92	180.2	-4	-1.3	3.5	4.2
14th	-2.5	13.8	2.4	3.5	-56.8	-10.7	-1	-3.8	1.8	2.1
15th	-7.8	9.1	-0.3	4.2	-113.2	-102.5	4.8	-7	-6.9	2.6
16th	-1.7	-1.3	-1.2	1.2	2.9	-50.7	4.8	-3.7	-7.2	3.3
17th	5.6	-0.6	0.8	-1.2	-74.8	-50.8	0.4	1.3	0.6	0.5
18th	5.9	2	1.8	-1.2	96.3	85.6	-0.2	3.7	1.8	-6.2
19th	3.3	1.3	0.5	-0.4	94.3	96.4	1.9	2.8	-1.7	-7.2
20th	8.9	-4.3	-0.3	-0.2	113	-27.8	1.8	-0.2	-5	4.1

D-257

RUN 28   PT 12

V/OR = 0.151   ALFS,U = 5.00   CLRH/S = 0.109231   CTH/S = 0.109708
VKTS = 60.3   MTIP = 0.605   CXRH/S = -0.010235   CP/S = 0.002608

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	12.7		692.7		382.7		1473.9		-89.4	
RMS	393.6		320.5		340.7		285.1		163.3	
1/2 P-P	623.8		607.4		684.2		574.4		281.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	0.1	535.6	12.6	390.9	33	373.7	34.4	233.3	53.6	214.9
2nd	108.7	-42	130.5	-76.5	204.7	-123.2	200.5	-139.9	44.2	19.8
3rd	-57.8	-32.8	-79.3	-46.1	-74.8	-86.9	-87.9	-106.6	11.4	-12.1
4th	-24.6	-14.6	-50.6	14.8	-69.1	19.5	-84.6	20.2	-16.9	-11.3
5th	-6.5	5	46.4	25.6	81.7	36.6	106.4	26.3	-2.7	7
6th	-27.6	17.1	-13.2	39.1	-4.2	51	3.2	43.8	1	14.1
7th	-4.8	14.6	13.3	23.2	15.3	25	0.1	18.6	-3.1	5
8th	12.3	12.6	26.3	36.9	16.5	19.7	-4.1	-26.9	4.3	-10.8
9th	12.6	4.5	23.3	2.2	17.7	-4	-2	-2.3	2.3	-1.5
10th	29.3	-17.2	30.7	-35.2	6.7	-13.7	-22.9	23.6	-0.3	-7
11th	35.8	6.5	78.6	-11.5	3.7	-0.5	-52.5	11.5	-7.9	-14
12th	1.2	4.6	13.5	4.7	3.8	10.2	-1.8	5.4	-4.8	-1.1
13th	-5.5	18.5	9.7	20.3	16.3	24.3	0.6	-1.9	3.6	-1
14th	-2.9	8.3	-1.2	-9	2.8	5.7	1.6	-8.7	-11.5	7.6
15th	5.6	4.3	17	-4.7	6.5	12.6	-4.8	-6.1	-1.7	-3
16th	8.9	0.7	-5.2	-3	-18.6	0.4	-11.4	3.7	8.7	-9.5
17th	2.2	-4	-2.6	0.8	4.4	-0.1	-5	4.6	-4	1.1
18th	-1.1	-4.1	-10.9	3.8	2.9	4.3	-2.8	-0.8	-10.5	6
19th	-5.5	5.6	-1.5	3.7	7.7	-7.8	3.1	-9.8	-5.1	2.6
20th	-11.6	-8.2	7.6	12.7	33	-1.6	12.3	14.4	4.5	1.5

D-258

RUN 28   PT 13

V/OR = 0.151 ALFS,U = 5.00 CLRH/S = 0.118817 CTH/S = 0.119313
VKTS = 60.2   MTIP = 0.604   CXRH/S = -0.010876 CP/S = 0.003200

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	247.6		51.2		779.1		-85.8		-44.6	
RMS	76.3		50.1		635.6		84.1		35.7	
1/2 P-P	203.1		122.2		1376.3		196.7		103.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	14.2	49.9	0.7	-7.4	-13.8	-100.7	-25.3	-55.8	-19	-21.4
2nd	5.6	14.4	-19	12.1	38.8	-5.3	-77.9	11.9	-27.1	4.6
3rd	-22.1	6.4	-23.2	10.3	-18.9	-4.4	-41.8	38.9	-6.6	6.6
4th	-7.8	-11.8	-8.4	-8.6	-103.3	109.8	-4.5	7.5	5.7	3.7
5th	15.2	-8.1	14.7	-8.1	-31.2	88.7	-11.4	0.9	-8.3	-0.9
6th	5.2	-3.5	5.2	-5.6	55.1	-58.7	-6.6	-1.5	-7.2	-1.7
7th	-22.4	-11.1	-17.1	-5	45.5	-76	-2.5	-2.5	-7.4	-1.5
8th	-5.6	-54.8	-11.8	-36.6	57.6	-103.2	-1.8	-8.4	-2.1	-8
9th	-11.2	-12	-10.7	-4.5	32.5	-94.3	-5	-0.1	-0.7	-0.8
10th	-23.6	13.7	-11.8	13.6	-30.4	-27.3	-4.2	11.7	1.7	-8.3
11th	-55.6	1.2	-27.5	11.9	92.8	586.5	-12.9	5.2	8.5	-2.7
12th	-9.2	10.8	-2.1	7.1	37.3	43.8	-3	-2.9	0.6	2.5
13th	1.5	14.1	3.4	6.5	92.3	179.2	-3	-0.3	2.7	3.6
14th	-1	12.3	1.7	3.2	42.6	5.9	1.9	-1.4	0.5	0.4
15th	-7.8	-1.2	-3.2	1.5	-131.4	-45.9	10.1	-2.3	-9.4	-2.5
16th	4.8	-4.2	-1.4	-1.1	-77.6	-77.9	3.8	0.9	-5.8	-0.6
17th	6.1	1.6	2.1	-1	21.9	65.8	-2.5	3.4	4.6	-0.8
18th	2.4	5.7	2.8	0.1	59.4	22.3	-2.4	4.3	6.6	-6.7
19th	1.5	1.5	0.7	1.1	104.5	87.1	0.6	2.2	1.5	-4.5
20th	13.2	-0.4	-1	0.3	201.4	-30.3	1.3	-1.6	-8.8	5.1

D-259

RUN 28   PT 13

V/OR = 0.151   ALFS,U = 5.00   CLRH/S = 0.118817   CTH/S = 0.119313
VKTS = 60.2   MTIP = 0.604   CXRH/S = -0.010876   CP/S = 0.003200

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	32.7		702.3		385.1		1487.4		-100.7	
RMS	411.2		342.2		369.1		306.7		180.7	
1/2 P-P	636.9		626.8		681.7		613.6		301.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	31.2	556.5	40.9	406.4	67.2	390.6	66.4	240.1	67.8	234.3
2nd	120	-47	143.1	-85.7	223.2	-133.3	218.4	-148.9	54.6	30.3
3rd	-47.5	-23.6	-80.2	-46.6	-85.5	-96.2	-104.1	-116.6	14.6	-4.2
4th	-34.1	5.3	-65.1	49.6	-89.6	65.5	-101.8	64.2	-9.6	-10.4
5th	-21.9	21.6	3.9	61.2	18	86.1	35.6	70.2	4.1	11.1
6th	-29.4	32	-17.8	53.5	-12.8	63.9	-9.3	49.1	-1.5	15.5
7th	2.6	18.3	23.1	34.6	18.4	40.2	-13.3	28.9	-3.1	4.6
8th	16.2	16.5	32.9	45.9	19.8	26.7	-7.6	-29	3	-11.3
9th	20.2	3.9	30.5	-0.6	21.4	-5.3	-6.3	0.4	1.6	-1.9
10th	29.6	-27.4	31.6	-45.1	7	-14.9	-24.8	33.3	-0.3	-8.7
11th	41.7	2.6	79	-18.9	7.1	1.8	-52.3	18.8	-6.2	-11.1
12th	7.2	2.9	18.5	-3.9	11.2	13	-4.6	10.1	-3.7	0.3
13th	-5.5	10.9	4	4	16.3	16.6	2.5	1.1	0.8	-2.5
14th	-1.6	10.2	-2.5	-4.9	1	6.6	0.3	-11.6	-7.7	9.6
15th	7.2	6.4	19.9	-3.7	0.3	-2.6	-6.6	-7.4	6.6	-4.5
16th	7.6	1.5	-8.2	13.5	-15.1	7.9	-15	4.8	13.9	-0.4
17th	0.4	-3.2	-5.3	-1.4	8.1	-1.9	-0.4	-0.1	-7.7	-1.4
18th	-5.5	-5.5	-9.9	2.5	8.1	9.3	7	-4.8	-13.9	0.9
19th	-6.9	3.1	-0.3	3	10.7	-2.6	9	-5.8	-4.7	-2.2
20th	-8	-8.1	1.5	10.1	29.5	-0.9	-2.2	18.3	3.9	0.7

D-260

RUN 28   PT 14

V/OR = 0.151   ALFS,U = 5.00   CLRH/S = 0.109997   CTH/S = 0.110459
VKTS = 60.3   MTIP = 0.606   CXRH/S = -0.010102   CP/S = 0.002693

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	227.7		39		1398.7		-87.3		-55.7	
RMS	70		45.5		707.3		80		33.9	
1/2 P-P	187.9		110.9		1323.1		188.5		92.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	10.1	48	-0.1	-7.3	-37.3	-111.5	-22.7	-52.5	-18.7	-18.1
2nd	1.5	13	-20.2	11.5	56.8	0.3	-75.5	17.4	-27.4	5.2
3rd	-21.1	-0.3	-22.3	5	49.4	99.9	-36.1	36.1	-7.2	6.4
4th	-12.1	-13.1	-11.4	-9	-65.8	118.8	-1.5	5.9	5.6	2.7
5th	11.9	-3.1	13.4	-2.4	-31	31.7	-10.7	-5.4	-7.6	-1.6
6th	4.5	-1.3	5	-3.3	-48	-20.4	-5.6	-4.2	-6.6	0
7th	-14.9	-5.1	-10.8	-1.7	82	-7	-2.9	-3.1	-5.4	0.4
8th	-2.5	-46.2	-8.3	-30.8	35	-0.1	-2.4	-8.1	-1.2	-6.2
9th	-8.4	-12	-8.7	-5.6	0.2	-90.7	-5.3	-0.6	-0.7	-0.4
10th	-21.3	12.3	-10.7	11.9	-9.8	-33.3	-4.4	11.7	2.1	-8
11th	-57.9	-7	-29.9	8.5	-223.4	699.3	-13.9	4.9	8.9	-3.4
12th	-8.8	3.8	-2.9	3.5	24.6	14.5	-2	-3.7	0.2	3.6
13th	1.3	10.9	2.3	5.4	31.1	205.1	-4.2	-1.2	4.1	4.5
14th	-1.7	12.3	2.4	3.1	-39.8	55.5	-0.7	-2.8	1.8	1.4
15th	-7.2	5.4	-1.1	3.1	-89.8	-9.6	6	-5.1	-7.8	1.2
16th	0.2	-1.4	-0.8	1	43.2	-72.4	4.5	-2.9	-7.3	2.9
17th	5	0.1	1.1	-1.1	19.5	-16.6	0.2	1.4	1.1	0.7
18th	4.6	3.7	2	-0.9	57.8	76.9	-0.6	3.7	3.5	-6.5
19th	3.2	2.7	0.8	-0.1	-38.8	95.4	1.6	2.9	-0.5	-7.4
20th	9.3	-0.7	-0.4	-0.3	181.6	19.4	1.9	0.2	-5.9	2.7

RUN 28   PT 14

V/OR = 0.151   ALFS,U = 5.00   CLRH/S = 0.109997   CTH/S = 0.110459
VKTS = 60.3   MTIP = 0.606   CXRH/S = -0.010102   CP/S = 0.002693

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	14.7		694.2		366.5		1477.3		-87.8	
RMS	392		319.5		341.7		287		168.5	
1/2 P-P	622.8		612.2		678.7		579.2		298.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-1.4	532.7	10.1	387.6	33.6	372	36	232.4	57.3	220.9
2nd	110.9	-39.6	132.3	-75.2	206.7	-121.7	202.7	-139	46.5	22.5
3rd	-57.3	-35.6	-80.4	-48.4	-77.8	-89.9	-91.3	-109.4	12.8	-12.3
4th	-24.9	-8.9	-50.8	24.4	-69.1	32.1	-84.6	31.3	-15.6	-12.9
5th	-8.7	7.4	42.6	33.8	76.6	49.4	101.7	38.4	-1.2	10.1
6th	-26.9	18.5	-13.4	41.1	-5	52.6	-0.3	43.2	0.3	15.2
7th	-5.2	15.3	15.2	24.9	18.4	26.7	0.6	18.4	-1.1	4.5
8th	14.1	12.1	26.5	37.8	16.6	20.4	-5	-26.4	4.6	-11.7
9th	11.6	4.2	23.1	1.8	18.1	-4.8	-1.7	-2.6	1.9	-3.2
10th	31.7	-17.2	32.7	-36.6	7.5	-14.4	-25.1	24.8	-1.2	-6.8
11th	37.7	6	79.6	-11.2	4.8	-1.1	-53.4	11.9	-7.3	-13
12th	-2.1	4.8	8.7	6.2	2.5	11.5	-0.7	5.2	-3.6	-0.3
13th	-8.3	15.7	3.2	17.2	13.4	22.8	2	-0.9	4.5	0.2
14th	-3.9	8.7	-2.1	-7.1	3.1	4.7	1.1	-8.6	-10.1	6.9
15th	5.2	5.5	16.1	-1.7	2.8	9.1	-5.2	-5.7	1.4	-2.9
16th	8.2	0.8	-7	-1.1	-17.6	0.2	-12.1	3.8	7.1	-9.1
17th	2.6	-3.2	-3.1	0.1	3.6	0.5	-4.5	3.3	-4.7	0.5
18th	-0.9	-4.7	-10.6	2.5	2.6	6.6	-0.8	-2.2	-10.6	3.2
19th	-5.7	5.7	-2.5	2.9	8.4	-6.1	3.2	-10.9	-4.6	1.5
20th	-8.6	-10.9	6.1	13.8	33.6	8	8.7	16	3.4	2

D-262

RUN 30   PT 12

V/OR = 0.150
VKTS = 60.0
ALFS,U = 10.01
MTIP = 0.605
CLRH/S = 0.069349
CXRH/S = -0.013034
CTH/S = 0.070559
CP/S = 0.000299

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	136.6		-23.8		2355		-96.7		-15.3	
RMS	29.1		34.6		403.9		51.3		14.7	
1/2 P-P	73.9		73.6		716.6		90.6		35.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-12.2	3.1	-5.5	-25.2	-51.6	71.1	12.2	-38.3	-2.1	-9.8
2nd	-15.1	6	-25.2	10.4	-12.2	36.5	-52.1	27.5	-14.4	7.9
3rd	8.8	-23	-1	-23.3	-0.7	2.5	-9.5	-4.5	-0.9	-1.7
4th	2.4	-12.8	-0.5	-11.7	16.8	-16.3	1.4	-0.3	2.8	-0.9
5th	6.9	-5.2	5.4	-7.4	6.9	4	-2.2	0	-2.2	1
6th	5.7	-1.1	5.7	-2.5	14.3	11.4	-3.2	-2.2	-2.5	0.2
7th	12.2	3.9	9.2	1.3	8.6	12.3	-1.5	-0.2	2.2	-0.8
8th	-0.2	1	0.7	0.4	4.2	-4.9	-1	-0.3	0.8	-1.6
9th	-1.3	-1.8	-0.9	-0.8	-2	0.2	-1	-0.8	0	0.1
10th	-3	1	-1.9	0.5	4.6	-2.5	-1.5	0.6	0.6	0
11th	-11.4	-6.5	-7.4	-0.9	7.3	-1	-4.7	0	3.6	0
12th	1	-3.9	-0.3	-1.9	7.8	-8	-0.5	-0.3	0.1	-0.2
13th	2.1	-0.3	0.1	-1.2	0.5	0	-1.1	-0.4	0.8	0.7
14th	1.8	-2.1	0.2	-1.1	4	1.7	-0.5	0.8	0.7	-0.3
15th	1.1	-2.1	0.3	-1.2	1.8	-1.1	-0.3	1.1	0.2	-0.7
16th	-1.1	1.5	0.1	0.4	-2.6	-6.7	0.1	-0.9	-0.4	1
17th	-2	0.4	-0.2	0.4	-0.8	-4.3	0.8	-0.8	-0.3	0.6
18th	-2	0.3	-0.2	0.4	-2.3	-4.3	0.7	-0.6	0.2	0.4
19th	-1.4	-0.7	-0.1	0.2	3.2	-4	0.4	-0.4	0.5	0.2
20th	1.9	-2.2	-0.3	0.1	-3.4	-4.3	0.3	-0.5	-0.8	1.6

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RUN 30   PT 12

V/OR = 0.150   ALFS,U = 10.01   CLRH/S = 0.069349   CTH/S = 0.070559
VKTS = 60.0   MTIP = 0.605   CXRH/S = -0.013034   CP/S = 0.000299

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-101.9		645.9		366.5		1397.2		-11.6	
RMS	286.5		233.7		244.9		205.7		98.4	
1/2 P-P	476.9		459.5		490.2		397.3		198.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-304	253.4	-240.2	187.7	-212.1	191	-161.8	117.1	2.5	128
2nd	47.7	-17.2	69.1	-33.4	123.2	-74.7	117.3	-86.2	8.7	-3.9
3rd	1.4	61.4	-6.1	67.1	4.2	65.7	0.1	29.3	38.7	-16.9
4th	3.9	-8.4	-7.4	-19.4	-5.7	-32	-14.6	-48.6	-1.7	-17.9
5th	-0.3	9.9	23.8	-50.2	49.1	-93.2	56.8	-125.3	-6.8	20.9
6th	0.9	8.7	-4.1	10.5	-5.3	10.8	-5.3	0.7	3.1	6.9
7th	8.7	15.8	-2.8	2.5	-3.7	-8.4	1	-16	5.7	-2.1
8th	-5.4	5	-0.6	1.7	3	-1.5	5.1	-6.4	-.4	-4.5
9th	-8.8	0.2	-3.2	2.1	1.4	0.9	5.3	-2	-2.7	-1.4
10th	8.1	-2.6	7.9	-4.9	2	-0.9	-5.9	2.6	-2	1.6
11th	13.2	6.9	23.4	4.7	4.6	-0.3	-15.1	-3.9	3.6	-5.2
12th	-8.6	3.5	-8.5	9.8	-5.2	1.4	4.3	-4.1	-5.4	-2.1
13th	-14.7	-8.5	-30	-5.9	-20	-7	7.5	1	0.8	4.4
14th	-0.5	0.4	-0.1	2.1	1.5	-2.2	0.4	-0.1	0.4	-0.8
15th	0.3	-0.4	2.6	10.4	3.1	7.1	0.9	0.4	-2.5	2.2
16th	-0.7	0.7	1.1	-0.4	0.6	1.4	0.9	-0.7	-0.4	1.1
17th	0.9	2.8	-0.3	-1.9	-4.3	-1.9	0.2	-1.3	1.3	-3
18th	0.2	0.1	-0.2	-1.7	-3.7	0.2	0.5	-0.8	0.3	-2.8
19th	-1.3	-2.5	1.7	0	1.5	1.1	2.8	1	1.6	-0.3
20th	4	2.2	-1.5	2.1	-6.6	-2.9	-5.7	4.3	0.9	-0.8

RUN 30   PT 13

V/OR = 0.150   ALFS,U = 10.01   CLRH/S = 0.078772   CTH/S = 0.080138
VKTS = 60.1   MTIP = 0.606   CXRH/S = -0.014758   CP/S = 0.000388

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	154.6		-13.5		2589.2		-97		-15.4	
RMS	32.8		35.6		-8		55		16.8	
1/2 P-P	89.1		79.9		0		96		42.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-16.2	11.1	-8.2	-23.2	0	0	6.1	-39.5	-5.4	-9.9
2nd	-14.6	6.4	-26.6	9.7	0	0	-58.9	26.9	-16.7	8.2
3rd	9.5	-24.3	-2.3	-23.6	0	0	-12.1	-3.2	-0.7	-1.5
4th	2	-15.9	-1.9	-14.1	0	0	2	0.7	3.5	-0.4
5th	5	-8.5	2.9	-11.3	0	0	0	2.5	-2.4	2.3
6th	7.3	-1.2	6.5	-2.7	0	0	-3.8	-2.3	-2.8	0.1
7th	13.6	2.5	10	0.5	0	0	-1.4	-0.7	2.8	-1.4
8th	-4.4	-1.9	-2.7	-1.4	0	0	-1.8	-1	-0.5	-2.2
9th	-2.6	-1.9	-2.1	-1	0	0	-1.3	-1.2	-0.6	0.2
10th	-3.9	1.6	-2.2	1.1	0	0	-2.1	0.6	0.7	0
11th	-8.1	-7.6	-5.7	-1.4	0	0	-3.5	-0.7	2.7	0.4
12th	0.8	-3.3	0.1	-1.4	0	0	-0.2	-0.6	-0.3	0.2
13th	2.4	1	-0.2	-0.4	0	0	-2	-1	1.2	1.3
14th	0.9	0.1	0.2	-0.3	0	0	-0.5	-0.2	0.6	0.7
15th	-2.8	1.8	-0.1	0.8	0	0	0.5	-1.9	-0.9	1.2
16th	-4.1	0.2	-1.1	0.9	0	0	1.8	-1.6	-2	1
17th	-1.9	-0.6	-0.7	0.2	0	0	0.6	-0.7	-1	0.4
18th	-0.5	-0.3	-0.2	-0.1	0	0	0.2	0	-0.5	0
19th	1.7	-0.8	-0.2	-0.1	0	0	0.2	-0.3	-1.6	0.7
20th	2.4	1.9	-0.3	-0.5	0	0	0.3	-0.1	-2.8	-0.4

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RUN 30　　PT 13

V/OR = 0.150　　ALFS,U = 10.01　　CLRH/S = 0.078772　　CTH/S = 0.080138
VKTS = 60.1　　MTIP = 0.606　　CXRH/S = -0.014758　　CP/S = 0.000388

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-102		644.1		362.1		1408.1		-27.7	
RMS	327.9		257.4		266		219		114.7	
1/2 P-P	541.1		520.3		542.8		424.7		239	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-291.4	349.1	-225.9	255.7	-197.6	246.9	-149	149.9	3.8	148.7
2nd	47	-22.9	72.8	-42.3	132.6	-83.8	128.6	-94.9	16.5	-2.3
3rd	38.4	50.5	25.3	54	34.2	51.8	20.1	16.1	44.8	-20.9
4th	4.4	-9.3	-7.3	-23.3	-5	-37.8	-16.8	-56.6	0	-18.4
5th	-3.4	22.4	6.2	-48.3	20.1	-98.4	19.6	-140.1	-5.1	21.9
6th	4.5	6.6	-6.4	11.5	-11.5	14.1	-14.2	5.8	2.1	1.4
7th	0.4	5	-4.3	1.3	1.5	-3.2	12.9	-7.6	3.3	-6.2
8th	0.2	8.1	5.2	4.5	3.7	1.5	-3	-7.7	-8.5	-1.9
9th	-3	11.6	2.8	7.9	2.1	3.3	-0.8	-7	-0.2	3.6
10th	6.4	-4.9	7.7	-6.9	2.1	-0.9	-5.7	3.6	-1.6	0.9
11th	19.9	-2.3	25.6	-3.9	7.2	-4.6	-15.6	0.7	2.6	-8
12th	-2.5	7.2	1	10.8	-0.1	3.7	1.2	-5.5	-6.1	-0.3
13th	-14.7	-0.4	-26.1	6.3	-16.6	4.8	5.7	-2.1	8.3	8.7
14th	-1.4	0	-2.5	-0.2	-0.8	-0.8	1	-0.3	1.6	-2.8
15th	-1.7	-2	1.7	-3.2	0	1.1	1.9	-0.9	-1	-1.6
16th	0.4	-0.2	4.3	-3.2	-0.8	-0.1	1.9	-0.2	-0.7	-4.7
17th	3.5	-1.2	1	3.6	-4.5	7.1	0.1	2.4	-1.3	-0.6
18th	-1.8	0.7	1.7	0.2	2	-1.7	1.5	-0.6	-0.7	-1.1
19th	2.5	4.4	-4.8	0.6	-9	-5	-8	-0.5	-0.1	-0.1
20th	-2.5	-7	1.3	2.9	13.5	7.3	1.9	5.4	-1.5	4.5

RUN 30   PT 14

V/OR = 0.150   ALFS,U = 10.01   CLRH/S = 0.088250   CTH/S = 0.089748
VKTS = 60.1   MTIP = 0.605   CXRH/S =-0.016344   CP/S = 0.000538

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	172.2		-2		2589.2		-98.5		-9.1	
RMS	35.5		36.3		-8		59		18.5	
1/2 P-P	88		78.2		0		113.6		44.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-12.8	17.9	-6.9	-22.3	0	0	-0.9	-39.9	-8.5	-9.7
2nd	-12.2	3.5	-26.7	7.3	0	0	-65.5	26.9	-18.5	8.3
3rd	6.4	-29	-5.2	-25.4	0	0	-14.7	0.5	0	-1.4
4th	0.1	-16.5	-3.9	-15	0	0	4.2	0.1	5.1	-0.7
5th	2.3	-8.9	-1.6	-10.4	0	0	4	0.5	-0.9	1.2
6th	7.1	-4.5	6.4	-4.5	0	0	-4.4	-2	-2.8	-1
7th	12	-0.7	9	-1.7	0	0	-2.1	-0.4	3	-2.8
8th	-7.3	0.5	-4.8	0.8	0	0	-2.3	-0.7	-1.6	-1.3
9th	-2	-1.2	-2	0.3	0	0	-1.3	-1.3	-1	1.6
10th	-5.2	-0.3	-2.7	0.4	0	0	-2.7	0.1	1.4	0.7
11th	-10.9	-14.5	-8.3	-4.9	0	0	-5.2	-2.8	4.2	2
12th	2.5	-4.1	0.6	-1.9	0	0	-0.4	-1.1	-0.3	0.5
13th	2.9	-1	0.8	-0.3	0	0	-0.5	0.1	0.4	0.6
14th	0.6	-2.4	0	-0.8	0	0	-0.2	0.4	0	-0.4
15th	-2.2	0.2	-0.6	0.5	0	0	0.9	-0.7	-1.3	0.3
16th	-1.8	-1.8	-1	-0.1	0	0	1.3	-0.2	-1.4	0
17th	0.5	-1.2	0	-0.3	0	0	0.1	0	0.1	-0.1
18th	1.3	-0.4	-0.2	-0.3	0	0	-0.1	0.2	-0.4	-0.2
19th	2.1	-0.8	0.2	-0.2	0	0	-0.2	-0.4	-0.6	0.5
20th	-1.1	-0.2	-0.3	-0.2	0	0	-0.2	-0.6	0.3	-0.3

RUN 30   PT 14

V/OR = 0.150	ALFS,U = 10.01	CLRH/S = 0.088250	CTH/S = 0.089748
VKTS = 60.1	MTIP = 0.605	CXRH/S = -0.016344	CP/S = 0.000538

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-101.9		634.9		357.1		1409.9		-44.5	
RMS	347.3		267.8		272.5		207.2		126.6	
1/2 P-P	534.7		469		516.1		440.4		233.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-249.8	409.6	-193.3	298.7	-168.3	284.2	-124.3	170.9	11.6	166.3
2nd	69.4	-40.3	94.2	-59.1	158.1	-99.8	153.7	-111	24.1	-6.8
3rd	32.6	1.1	18.2	11.6	29.5	9.5	15.7	-20.3	41.9	-29.1
4th	18.7	5	12.6	-10.3	17.9	-25.6	1.2	-48	-5.3	-14.4
5th	5.8	49	2.9	37.2	3.7	29.5	-8.7	-0.3	2.8	20.3
6th	-1.4	4.2	-3.8	16.8	-3.9	21.4	-3.4	13.2	-3.4	-3.4
7th	-16	5.7	-6.1	3.9	10.3	-2.5	27.2	-12.9	-1.7	-2.7
8th	4.6	5.3	8.7	2.9	4.4	3.6	-7.9	-0.3	-5	3.9
9th	4.8	-7.6	5.4	-4	4.4	2.3	-1.9	7	2.4	-1.2
10th	-2.2	-10.1	2.9	-9.2	0.2	-2	-2.2	4.9	-6.2	1.1
11th	4.5	12.6	20.3	16.4	2.8	1.3	-11.3	-12.3	2.3	-6.1
12th	14.8	9.9	21	9.2	13.2	2.3	-6.7	-5.4	-2.2	-0.9
13th	1.4	0.4	3.7	0.9	6.3	-0.3	-0.1	0	5.8	-0.6
14th	-1.3	0.5	-1.1	1.9	-1.3	-1.6	1.7	-0.2	-1.5	-3.4
15th	0.6	0.9	2.5	3.2	-1.3	5.4	1	-0.4	-1.5	2.1
16th	-0.5	0.8	2.8	-1.5	-1.5	-3.5	0.5	-0.2	4	-0.9
17th	0.5	2	-2.1	-0.6	-4.1	-4.7	-1.1	-0.5	-2.5	-2.7
18th	0.3	1	-0.6	-0.3	0	-3.2	-1.6	-1.1	-1.2	4.5
19th	-1.6	0.1	-1.1	0.7	2.6	-3.5	-1	1.3	1.2	-2.3
20th	5	1.9	-1.8	0.9	-10.2	4.1	-5	0.9	-2.4	3.2

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RUN 30　　PT 15

V/OR = 0.151	ALFS,U = 10.01	CLRH/S = 0.098125	CTH/S = 0.099822
VKTS = 60.1	MTIP = 0.604	CXRH/S =-0.018356	CP/S = 0.000684

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	190.7		9.3		2589.2		-101.6		-42.7	
RMS	42.5		38.6		-8		62.1		21.2	
1/2 P-P	98.1		82.8		0		120.3		52.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-14	25.5	-8	-21.5	0	0	-6.7	-39.7	-10.6	-10.5
2nd	-11.5	3.6	-27.9	6.5	0	0	-69.5	27.6	-19.9	9.1
3rd	1.8	-30.8	-8.8	-26.2	0	0	-14.7	3.7	0.9	-1.8
4th	-0.6	-18.4	-5.4	-16.4	0	0	5.4	-0.4	5.7	-1
5th	0.5	-7.3	-3	-6.9	0	0	5.1	-4.2	-2.1	-1
6th	5.4	-8.1	5.4	-7	0	0	-4	-1.1	-3.5	-2
7th	11.5	0.6	8.8	-0.8	0	0	-1.6	-0.2	3	-2.8
8th	-5.2	0.9	-3.2	1.5	0	0	-1.2	-1.3	-1.3	0.1
9th	-1.8	-3.4	-1.6	-1.2	0	0	-1.3	-1.9	-0.6	1.9
10th	-7.6	2.3	-4.3	1.4	0	0	-3.3	0.9	2	-0.4
11th	-22.1	-18.1	-14.9	-4.5	0	0	-9.2	-2.2	7	1.3
12th	1.8	-9.5	-0.7	-4.5	0	0	-0.8	-1.8	0	0.9
13th	0.7	-3.3	-0.9	-1.8	0	0	-1.1	-0.4	0.7	1
14th	-3.6	-3.4	-1.5	-0.4	0	0	1.3	0.4	-1	-0.1
15th	-9.7	2.1	-2.6	2.3	0	0	3.3	-2.9	-2.9	2.2
16th	-6.6	0.2	-1.9	2.1	0	0	2.9	-2.1	-1.4	2
17th	-2.9	-1.7	-0.1	-0.3	0	0	0.5	-0.1	0.9	0.1
18th	-2.7	0.3	-0.2	0.8	0	0	0.7	-1.2	0.8	0.1
19th	-2	-1.1	0.4	0.4	0	0	0	-1.2	1.5	1.1
20th	0.1	-0.8	-0.2	-0.1	0	0	-0.3	-0.4	0.7	1.9

RUN 30   PT 15

V/OR = 0.151   ALFS,U = 10.01   CLRH/S = 0.098125   CTH/S = 0.099822
VKTS = 60.1   MTIP = 0.604   CXRH/S = -0.018356   CP/S = 0.000684

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-89.5		635.9		359.8		1418		-57.6	
RMS	360.9		284.3		300.5		234.4		137.1	
1/2 P-P	557.1		528.6		606.3		551.3		295.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-189.2	458.6	-143.5	333	-124.1	317.4	-89.3	189.8	16.2	181.6
2nd	83.6	-40.1	110.3	-63.7	179.6	-109.3	174.1	-124.4	27.6	-7.5
3rd	1.2	-9.3	-7.3	2.9	9	-3.1	-1.5	-35.1	36.3	-31.4
4th	27.3	-6.8	21.4	-26.8	28.3	-47.4	8.3	-69.3	-3.6	-14.5
5th	29.1	48.3	65.8	58.1	95.2	67.4	87.7	47.3	2.9	14.2
6th	-4.3	2.2	1.5	22.6	6.2	32.3	8.2	23.8	-4.5	-0.8
7th	-16.8	13.3	-5.6	4.9	10.5	-7.1	27.7	-20	1.7	0.2
8th	10	-0.7	9.7	1.3	3.5	6.2	-7.3	6.3	-1.8	1.3
9th	-8.1	-2.5	-0.2	2.5	4.2	4.2	6.5	3.3	-3.1	-1.2
10th	-5.5	6.4	4.7	0.6	1.9	3.1	-0.2	-0.3	-2.5	9.4
11th	15.9	22.2	42	22.7	7.3	3.4	-24.1	-16.3	3.3	-11.8
12th	-14.5	-1.2	-12.5	10.6	-6.9	-1.2	6.8	-5.8	-6.4	1.3
13th	-16.4	-8.4	-29.5	-3.3	-20.9	-6.3	8.5	0.9	8.9	3.7
14th	-1.9	-1	-2	1	-7.7	-1.7	2.5	-0.2	-4.9	-7.9
15th	-1.1	-1.2	3.1	-11.4	-8.3	-2.4	1.3	-1.1	3	3.2
16th	0.7	-2.1	3.4	-2.7	-6.9	3.9	1.6	2.1	6.6	-11.5
17th	-2.2	-4.9	4.1	3.2	2	5.8	5.1	2.4	-10.5	0.2
18th	0.2	-5.4	1.1	2.3	0.7	9.7	3	3.6	4.1	3
19th	-1.4	-8.7	3.7	4.9	8.2	12.3	9.2	8.2	-1.4	-4.7
20th	-1.5	-13.7	2.5	6.5	13.5	18	9.9	14.4	-0.6	3.9

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RUN 30   PT 16

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	212.1		21.8		2586.2		-103.3		-48	
RMS	54.3		43.5		44.4		68		26.1	
1/2 P-P	162.1		106.1		451.9		137.2		65.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-10.9	31.7	-8.1	-20.6	-3.9	-4.6	-13.7	-39.9	-15.2	-9.8
2nd	-10.7	4.1	-29.5	6.5	1	-6	-74.5	30.7	-20.6	10.4
3rd	-5.8	-30.3	-15.3	-24.7	5.2	-3.1	-17.2	8.8	2.8	-0.3
4th	-3	-18.2	-7.7	-16	5.7	1.9	5.6	-0.9	7.6	-0.9
5th	-2.4	-10.2	-4.5	-7.6	2.2	5.6	4.9	-3.3	-2.7	-2.5
6th	5.4	-8.6	5.5	-8.6	-2.8	5.3	-3.6	0.8	-4.4	-2.4
7th	12.6	6	10.7	2.8	-5.9	1.3	-1.3	-0.7	4.8	-2.9
8th	-10.2	-3.7	-6.8	-0.7	-4.9	-3.6	-2.1	-2.6	-1.9	-0.6
9th	-6.3	-3.2	-4.4	-0.4	-0.5	-6	-3	-1.4	-1.2	1.4
10th	-11.2	6.3	-6.8	5.4	4.2	-4.3	-4.5	3.6	1.4	-1.8
11th	-38.9	-15.8	-23.4	-0.1	6	0.3	-14	1	9.1	0.5
12th	-6.1	-8.4	-4.3	-2.4	3.8	4.7	-2.1	-0.6	0.1	1.4
13th	-3.8	2.2	-2.8	2.2	-1	6	-1.9	0.5	0.4	1.1
14th	-7.2	8	-0.3	4.1	-5.2	3.4	1.4	-3.2	-1.1	4.4
15th	-14	24.7	0.3	10.1	-6.1	-1.5	1.5	-12.4	-1.8	11.7
16th	-15.3	3.6	-3.4	4.4	-3.2	-5.6	6.3	-5.2	-3.9	4.7
17th	-4.5	0.6	-1.1	-0.2	2	-6.4	2.4	-1.1	-0.5	0.7
18th	1.9	1.6	0.4	-0.5	6.3	-3.2	-0.5	-0.1	-1.2	0.7
19th	7	0.3	0.8	-1	7.1	2.5	-0.2	0.2	-3.3	2.5
20th	3.1	12.8	0.4	-1.1	3.4	7.4	0.2	2	-4.4	-5.1

RUN 30   PT 16

V/OR = 0.150   ALFS,U = 10.01   CLRH/S = 0.108831   CTH/S = 0.110732
VKTS = 60.1   MTIP = 0.606   CXRH/S = -0.020465   CP/S = 0.000956

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-71		643.9		369.9		1435.7		-70.8	
RMS	381.3		307.4		330.2		265		145.8	
1/2 P-P	574.1		544.1		687.9		590.9		266.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-127.2	505.2	-90.7	365.8	-72.5	347.6	-48.3	206.1	23.8	195.6
2nd	100.7	-39.1	129.9	-69.8	205	-121.4	197.5	-139.9	27.4	-8
3rd	-23.3	6.4	-25.6	13.9	-5.8	-0.5	-17.4	-36.9	28.2	-34.3
4th	22.7	-18.5	11.9	-41.6	16.9	-65.9	-5.3	-86	-5.9	-11.4
5th	43.4	32.1	105.5	29.8	155.8	30.2	150.8	9.6	2.3	4.1
6th	-9.5	7.5	3.2	21.8	13	28	19.2	14.6	-2.2	6.7
7th	-14.8	17.4	-9.8	3.3	2.3	-11	19.9	-21.4	2.1	-2
8th	5.6	-6.6	11.2	2.2	5.2	8.7	-7.6	7.4	-4.9	-1.4
9th	-4.1	4.2	6.9	5.1	6.1	4.4	1.8	2	-2.9	-1.3
10th	17.7	1.8	22.6	-11	8.1	-1.4	-12.8	6.8	3.4	7.2
11th	41.9	10.1	75.6	-0.6	14.9	-4.6	-46.6	-3.3	0.5	-10.6
12th	1.5	28.7	21	33.4	6.6	13.6	-7.7	-14.3	-3.7	1.6
13th	-11.2	12.8	-8.2	24.6	-9.9	21.9	1.5	-5.4	9.3	1.7
14th	-1.6	-0.7	1.7	-5.2	-4.1	9.7	2.2	0.2	-11.2	-5.7
15th	-1.1	0	-8.6	-13.4	-13.8	31.7	1.5	-1.6	-4.9	1.4
16th	1	-1.6	14.2	-6.5	-5.3	12.2	6.8	2.8	7	-9.1
17th	-2	2	1.7	-4.4	-3.1	-2.7	3.6	-2.4	-2.9	2.7
18th	-5.8	-4	-1.6	3.8	8.8	4.9	2.3	1.3	0.3	4.1
19th	-9.7	2.6	-2.2	1.2	15.7	-14.3	-0.7	-3	-0.5	-2.5
20th	-6	-5.6	-2.3	0	23.8	13.3	-4.2	-11.3	-2.1	8.6

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RUN 30   PT 17

V/OR = 0.150   ALFS,U = 10.01   CLRH/S = 0.117396   CTH/S = 0.119384
VKTS = 59.9   MTIP = 0.606   CXRH/S = -0.021716   CP/S = 0.001320

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	230.5		33.4		2526.7		-106.9		-48.4	
RMS	56.4		45.9		182.5		72.3		30.1	
1/2 P-P	159.4		114.7		525		147.6		72.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-1.3	35.5	-5.2	-20.8	54.4	20	-20.7	-39.5	-19	-11.3
2nd	-8.5	6.3	-29.9	7.4	-18.6	3	-77.4	36	-23.6	10.4
3rd	-15.9	-27.6	-24.1	-21.9	22.3	12.2	-22.8	13.1	1.6	0.6
4th	-7.5	-18	-12.1	-16.3	-31.9	-20	5.9	-1.3	7.5	-0.5
5th	-0.7	-11.9	-1.7	-9.4	6.3	21.1	1.1	-1.9	-2.4	-1.1
6th	9.5	-6.7	8.3	-9.2	-5.6	-22.4	-5	1.8	-0.5	-2.8
7th	20.7	8.4	17	3.3	-3.4	33.5	-2.4	-0.5	6.9	-4.6
8th	-8.8	2.3	-4.7	3.1	-2.1	-2.5	-2.2	-0.7	-3.3	-2.7
9th	-5.8	3.8	-2.3	4	-0.9	-0.6	-1.6	1.9	-4.7	0
10th	-4.7	12.2	-1.5	9.4	29.9	-18.4	-0.1	6.6	-3.4	-2.6
11th	-29.2	16.5	-12.2	15	-57.4	2.7	-5.6	9.1	2.4	-5.2
12th	-11.7	5.6	-3.9	5.5	21.7	17.7	-0.4	1.8	-1	0.8
13th	-4.3	10.8	-0.3	6.9	-11.8	0.8	0.1	0.3	-0.6	1.9
14th	-2.9	15.8	3	5.9	14.2	4.9	0.1	-5	0.6	5.1
15th	-1.1	26.6	5	8.8	-14.5	-3.7	-3.7	-11.1	2.5	9.7
16th	-6.6	7	-0.9	2.9	2.3	1.6	2	-5	-2.9	3.3
17th	5.5	4.6	0.3	0	-2.8	6.7	-1.9	-0.8	-2.2	1.1
18th	12.9	3	1	-1.5	2	5.6	-2.9	1.9	-4.9	0.9
19th	20	5	0.6	-1.9	0.8	-1	-0.8	2.1	-12	2.5
20th	2.8	19.8	1.4	-1.3	0.1	-1.9	0.9	2.8	-7.1	-10.2

RUN 30   PT 17

V/OR = 0.150   ALFS,U = 10.01   CLRH/S = 0.117396   CTH/S = 0.119384
VKTS = 59.9   MTIP = 0.606   CXRH/S = -0.021716   CP/S = 0.001320

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-50		651.4		377.8		1448.4		-81.5	
RMS	400.1		326.4		356.8		297.1		158.2	
1/2 P-P	602.3		599.2		747.7		635.1		314.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-81.4	537.5	-52.7	390.5	-31.1	372.1	-9.1	218.9	39.3	212.5
2nd	120.5	-37	150.2	-74.7	230.2	-131.8	221.7	-156.4	29	-3
3rd	-29.2	28.2	-26.9	25.3	-3.2	1.2	-17.7	-42	19	-34.8
4th	8.6	-21.8	-15.8	-44.8	-19.6	-70.9	-46.3	-93	-7.7	-9.2
5th	49.6	16.5	121.4	-15.5	180.7	-37	178.7	-65.8	2.7	1.7
6th	-12.5	14.3	-0.2	19.1	11.2	19.9	20.5	1.2	3	13.1
7th	-15	18.6	-18.6	4.8	-9.4	-10.1	14.5	-19.1	3	-7.1
8th	-4.3	-4.8	5.7	1	4.2	7.3	-1.9	10.5	-5.5	-3.2
9th	-3	6	7.5	1.6	6.1	3.3	4.1	6.3	-2.6	-3.9
10th	18.2	-12.5	15.3	-25.3	7.2	-7.9	-5.5	17.6	3	0.3
11th	33.1	-25	44.4	-53.5	8.4	-15.2	-27.9	31.3	-3	-5.4
12th	31.7	17.9	49.4	-0.4	19.3	6	-19.4	2.2	-1.8	-2.4
13th	8.1	14.4	22.5	11.6	14.5	22.5	-5.5	1.9	1.4	-5.5
14th	-0.1	-2.8	0.4	-12.6	5	12.9	3	3.2	-12.2	-0.4
15th	0.5	-3.7	-6.8	-11.7	9.8	31.9	2.3	1.2	-7.6	1.4
16th	1	-3.3	8.8	-13.6	6.3	4.2	4.8	-0.3	-1.1	2.8
17th	0.5	-1.1	-8.2	-2.3	4.5	1	-5.5	-0.3	4.8	5.1
18th	-5.4	-1.1	-9.6	6.7	15.2	-2	-10.3	2.5	-0.9	7.4
19th	-0.2	5.6	-12.7	7	17.4	-12.4	-29	1.4	6.7	2.3
20th	4.7	-1.6	-7.3	-4.7	13.9	19.3	-24	-17.8	-4	5.2

RUN 22   PT 23

V/OR = 0.201
VKTS = 80.0

ALFS,U = -9.99
MTIP = 0.604

CLRH/S = 0.014084
CXRH/S = 0.001727

CTH/S = 0.014170
CP/S = 0.001556

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	53.5		-50.2		4.8		-39.3		-9.4	
RMS	18.3		20.8		29.4		43.8		11.9	
1/2 P-P	52.3		45.8		52.5		76.9		24.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	11.2	-0.3	11.7	-14.7	16.6	-30.5	24.2	-45.4	5.2	-13
2nd	-4.7	1.7	-5.8	6.6	-6.8	12.2	-15.6	25.5	-2.4	6.2
3rd	14.2	-5.2	13.8	-9.1	13.7	-8.5	9.2	11.2	0.8	3.9
4th	5.7	2.4	5.6	0.3	3.7	-0.1	-0.5	3	-0.5	0
5th	6.7	0.5	6.7	-1	5.2	-1.2	-6	1.1	-0.8	-0.9
6th	1.7	4.5	2.4	3.1	2	1.9	-0.7	-3	0.4	-0.3
7th	0.8	1.9	0.9	0.7	0.8	0	0.1	-0.8	0	-0.2
8th	1.9	8.3	2.2	5.2	0.8	1.4	0.5	0.6	0.8	0
9th	-2.1	2.6	-0.7	1.7	0.6	0.1	-0.8	0.1	1.2	-0.5
10th	-1.5	1.1	-0.8	0.4	0.3	-0.2	-0.4	-0.5	0.8	0.2
11th	-4.2	-4.3	-2.9	-2.1	1	0.2	-1.6	-2	0.9	1.9
12th	2.7	-1.5	0.8	-1.6	0.1	-0.1	0.7	-1.2	-0.9	0.7
13th	1.8	1.3	1	-0.1	0.2	0	0.7	-0.7	-0.4	0
14th	-0.8	3.5	0.2	0.7	0.6	-1.6	0.7	-1.5	-0.6	1.2
15th	-4.3	0.3	-1.5	0.9	2.3	-0.6	2.5	-0.9	-2	0.8
16th	0.9	-3.1	-0.7	-1.3	0.8	1.2	1.1	1.5	-1	-1.2
17th	1.9	0.5	0.2	-0.3	-0.4	0	-0.2	0.5	-0.3	-0.9
18th	0.6	0.9	-0.2	-0.2	0.1	-0.5	0.2	0.2	0	-0.8
19th	0.8	0.3	-0.3	-0.2	0.1	0	0.5	0.4	-0.3	-0.5
20th	-1.6	1.3	-0.1	-0.3	0.6	-1.3	0.1	0.6	1.1	-1.7

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RUN 22   PT 23

V/OR = 0.201   ALFS,U = -9.99   CLRH/S = 0.014084   CTH/S = 0.014170
VKTS = 80.0   MTIP = 0.604   CXRH/S = 0.001727   CP/S = 0.001556

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-78.8		717.2		340		1387.7		-43.7	
RMS	35.6		42.2		81.3		86.7		40.5	
1/2 P-P	74.1		108.8		158.6		165.1		78	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	2	36.9	-8	34.5	-38.8	82.5	-61	83.7	31.4	43.1
2nd	-2.3	-17	0.8	-17.9	10.8	-37.2	15.7	-39.7	3.6	-3.5
3rd	-16.9	14.8	-23.6	23.4	-35.1	31.7	-28.6	18.6	10.8	-2.9
4th	-4.2	-7.1	-2.8	-12.2	1.1	-12.6	9.2	-15.1	-4.7	5.5
5th	-9.3	4.7	-3.7	14.6	-2.3	23.3	7.6	22.3	-3.1	0.6
6th	-2.4	-8	-5.1	-4.3	-6.6	0.8	-3	4.7	-4.7	2
7th	0.6	1.9	-0.6	-2.2	-3	-1.6	-1.6	-4	-1.4	2
8th	0.4	-1.5	-1.4	-6.9	-0.8	-3.5	1.4	1.4	-1.1	2.8
9th	-1.5	0.2	1	-2.3	0.1	-1.1	-0.1	-1.1	-1.4	-0.1
10th	3.3	-1.3	4	-3	-0.1	-0.4	-2.6	0.2	0.1	1.2
11th	0.6	1.5	6	3.2	-0.7	0	-3.5	-4.4	-1.9	1.6
12th	0.8	0.8	0.3	2.4	0.5	-0.3	0.6	-2.8	0.3	2
13th	1.9	-1.1	2.3	-3.1	1.9	-1.8	0.8	-0.5	-0.2	0.8
14th	-0.5	0.7	1.2	-1.1	-0.3	3.8	1.1	-1.9	-4.1	2.4
15th	-0.2	0	3.9	0.1	-4.6	4.1	1.5	-0.6	-0.7	-1.5
16th	-0.1	0.4	1.9	3.1	-1.7	-1.8	0.7	0.1	1.7	2.5
17th	-0.9	-0.3	0.2	0.5	2.3	0.3	0	-0.7	-1.5	1
18th	-0.5	-0.4	1.1	0	0.8	1.7	0.4	-1.1	-1.2	-0.5
19th	-0.1	-0.3	0.7	0.2	0.3	0.9	0.1	-0.2	-0.2	0.3
20th	-0.2	0.4	0.8	-1.6	-1.5	2.4	1.4	-3.8	-1.8	0.4

RUN 22 PT 24

V/OR = 0.200 ALFS,U = -9.99 CLRH/S = 0.029578 CTH/S = 0.029925
VKTS = 80.0 MTIP = 0.606 CXRH/S = 0.004589 CP/S = 0.002243

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	88.9		-28		18.3		-40.2		-5.6	
RMS	19.3		22		31.9		49.1		13.1	
1/2 P-P	51.1		44.6		52.3		82.5		28.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	16.6	1.4	15	-17.5	18.6	-35.4	19.6	-50.1	-0.1	-14
2nd	-2.1	2.4	-4.5	6.9	-6.6	12.1	-25.7	23	-6	6.6
3rd	13.2	-2.7	13.1	-5.1	12.8	-3.2	7.3	24.1	-0.6	6.1
4th	4	0.7	4	-0.9	2.4	-1	-0.8	4.8	1.4	0.6
5th	8.1	3.1	8.3	1.5	6.5	1.5	-6.6	-1.8	-0.9	-1.8
6th	-0.2	3.8	0.7	3.5	1	2.2	0.1	-3.8	-0.9	-0.4
7th	1.3	2.9	1.4	1.3	0.9	0.3	-0.4	-0.7	-0.2	0.3
8th	0.6	8.5	1.3	5.2	0.3	1.3	0.1	0.5	1.3	0
9th	-1	2.7	-0.1	1.5	0.7	-0.1	-0.2	0.1	1.2	-0.4
10th	-0.7	0.1	-0.4	-0.4	0.5	-0.1	-0.2	-0.9	0.4	0.7
11th	-1.5	-6	-1.7	-3.4	0.8	0.7	-0.9	-2.8	0.4	2.5
12th	2.5	-1	0.9	-1.4	0.1	0	0.7	-0.7	-0.6	0.4
13th	1.4	1.3	0.8	0	0.3	0	0.7	-0.5	-0.4	0.2
14th	-1	2.4	0.2	0.6	0.9	-0.9	1.1	-0.9	-1	0.7
15th	-2	-1.2	-1	-0.1	1.5	0.3	1.9	0.3	-1.4	-0.1
16th	1.5	-1.5	-0.4	-0.8	0.3	0.8	0.5	1.2	-0.4	-1.1
17th	1.9	1.1	0.2	-0.3	-0.3	-0.2	-0.4	0.3	0.1	-1
18th	0.6	0.8	-0.1	-0.1	0.1	-0.4	0.1	0.3	0	-0.7
19th	0.2	0.1	-0.1	-0.3	0.5	0	0.2	0.3	0.4	-0.4
20th	-0.6	-0.3	0	-0.1	0.9	-0.1	0	0.3	1.3	-0.2

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RUN 22   PT 24

V/OR = 0.200   ALFS,U = -9.99   CLRH/S = 0.029578   CTH/S = 0.029925
VKTS = 80.0   MTIP = 0.606   CXRH/S = 0.004589   CP/S = 0.002243

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-58.9		722.3		335.1		1392.7		-70.8	
RMS	108.9		93.8		132.4		125.9		61.1	
1/2 P-P	214.6		198.2		267.2		273.2		105	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	6.9	146.3	-10.6	121.1	-45.7	163.2	-67.8	139.8	45.7	69.3
2nd	5.4	-17.5	5.4	-21.1	15.6	-41.4	22.1	-43.9	9.3	0.7
3rd	-8.8	-12.9	-21.1	0.8	-33.6	8.7	-27.4	-0.2	13.1	-7.8
4th	-8.4	-5.7	-4.9	-5.4	0.9	-1.8	9.9	-5.2	-3.4	3.1
5th	-9	3	7.1	24.9	15.8	43.5	31.2	47.6	-5.9	4.1
6th	0.5	-11.3	-4.1	-4.7	-7.5	2.8	-7.2	7.8	-2.3	1.6
7th	4.9	6.7	-0.4	-0.9	-5.8	-3.2	-7.2	-7.1	-1.5	2
8th	2.1	1.3	1.2	-6.4	0.1	-4	-0.4	-0.9	-1.4	1.7
9th	-2.8	5.8	0.4	1.1	-0.4	-0.7	1.4	-5.3	-0.5	1
10th	2	0.5	2.4	-0.4	-0.4	0.1	-1.5	-1.6	-0.4	1.7
11th	-0.7	2.1	3.2	6.4	-1.1	0.5	-1.5	-6	-1.2	0.7
12th	-0.5	0.1	-0.8	1.7	-0.8	-0.7	1	-2.3	0.3	1
13th	1.3	-1.7	1.2	-3.8	1	-1.9	0.8	0.5	-0.8	0.7
14th	-1.5	0.7	0.3	3	-2.3	6.5	1.5	-1.6	-3.3	1.9
15th	-0.1	-0.3	3.3	1.3	-2.7	1.4	1.3	0.2	1.7	-2.4
16th	0	0.2	0.8	1.9	-0.8	-1.6	0.2	0.1	0.8	0.6
17th	-0.2	0	-0.6	0	0.5	0.4	-0.3	-0.8	-1.8	-0.2
18th	0	0.8	0.4	-1.1	-0.8	-0.5	0.1	-1.6	0.2	0.2
19th	-0.2	-1.2	1.7	0.9	0.7	2.4	1.6	0.8	-0.2	-0.2
20th	0.9	1.2	1.2	-0.2	-3.1	-0.9	1.2	-1.1	-1.3	-0.5

RUN 22   PT 25

V/OR = 0.201   ALFS,U = -9.99   CLRH/S = 0.038981   CTH/S = 0.039479
VKTS = 80.1   MTIP = 0.605   CXRH/S = 0.006275   CP/S = 0.002716

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	104.8		-16.7		25.6		-41		-2.1	
RMS	24.7		20.1		32.1		54		14.8	
1/2 P-P	55.8		48.9		51.4		91.3		34.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	16.9	19.7	15.8	-12.3	19.2	-36.2	17.2	-54.2	-3.1	-14.7
2nd	4.9	4.1	-1.2	7.9	-4.9	12.9	-31.2	20.9	-8.2	6.6
3rd	10.2	-2.3	10.9	-2.7	10.6	0.2	6.1	31.8	-1.5	7.1
4th	0.9	-0.9	1.5	-2.5	0.6	-2.5	-0.3	5.9	2.9	1.2
5th	6.6	5.1	7.5	3.4	6.1	3.3	-5.5	-4	-0.4	-2.2
6th	-1	4.3	0.3	3.6	1	2.2	0.5	-3.6	-1.5	-0.4
7th	5.5	6	4.3	2.8	2	0.7	-0.3	-0.6	0.5	0.7
8th	-2	8.9	-0.2	6.1	0.1	2	-0.3	0.6	1.5	0.4
9th	-2	2	-0.7	1	0.7	-0.3	-0.2	-0.1	1.1	-0.4
10th	-0.4	-0.8	-0.3	-0.8	0.5	0.1	0.1	-1.1	-0.2	0.8
11th	3.5	-10.8	0.3	-6.7	0.3	1.4	0.4	-4.5	-0.7	3.8
12th	3.5	-0.2	1.5	-1.4	-0.2	-0.1	1.1	-0.9	-0.6	0.3
13th	0.1	1.4	1	0.3	0.8	0.2	1.3	-0.3	-0.7	-0.2
14th	-1.8	1.8	-0.3	0.7	1.2	-0.6	1.5	-0.4	-1.4	0.2
15th	-0.9	-1.6	-0.9	-0.4	1	0.8	1.4	1	-1.1	-0.7
16th	1.6	-0.5	-0.3	-0.6	0.1	0.7	0.3	0.9	-0.1	-0.9
17th	1.4	1.9	0.3	-0.1	-0.3	-0.4	-0.3	0	0.2	-0.8
18th	0.5	1.5	0.1	-0.1	0.1	-0.2	-0.1	0.1	0.3	-0.3
19th	0.1	1.5	-0.1	-0.3	0.1	-0.5	0.1	0.4	0.1	-0.9
20th	-1.2	-0.4	-0.1	0	1.1	0	-0.2	0	1.5	0.3

RUN 22   PT 25

V/OR = 0.201   ALFS,U = -9.99   CLRH/S = 0.038981   CTH/S = 0.039479
VKTS = 80.1   MTIP = 0.605   CXRH/S = 0.006275   CP/S = 0.002716

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-72.8		703.8		319.5		1388		-93.2	
RMS	231.7		182.8		207.7		176.7		87.7	
1/2 P-P	378.5		348.4		399.9		340.6		152.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-2.2	322.3	-18.7	250.1	-56.1	272.9	-77.1	212.7	44.6	110.9
2nd	35.2	-9.4	27.6	-18.8	33.4	-40.9	37.2	-45.1	21.2	7.4
3rd	3.8	-37.8	-12.8	-20.7	-26.4	-14.5	-22.9	-19.5	9.8	-13.8
4th	-3.5	6.3	5.3	11.8	12.2	19.4	19.2	14.7	-5.4	1.3
5th	-7.3	1.1	17.9	26.5	33.5	48.8	50.6	55.5	-9.6	5.4
6th	-4.3	-6.8	-2.8	-4.5	-2.3	-0.1	0.9	2.5	-2.7	1.7
7th	6.5	12.4	-1.5	0.2	-7.6	-4.7	-6.6	-8.6	1.3	3.7
8th	-2.1	-2	0.4	-7.9	2	-4.4	3.1	0.9	-0.9	0.7
9th	-6.5	6.7	-0.8	2.9	0.1	-0.3	4	-6.3	-1.9	0
10th	0.8	3.5	2.4	3.5	-0.1	0	-0.4	-5.2	-1.3	0.2
11th	-7.5	-4	-6.6	7.6	-3.5	-2	5.2	-6.8	-3	0.7
12th	4.3	-5.7	1.7	-5.8	2.1	-5.1	0.6	1.1	1.1	1.8
13th	9.2	-6.3	12.4	-14.5	7.4	-9.3	-0.9	3.1	-2.4	-3
14th	0.2	0.1	4.3	0.4	0.6	3.3	1.5	-0.7	-1.9	1.5
15th	1.7	-0.2	3.7	7.6	-1.9	6.2	1.1	0.9	2.1	-0.5
16th	1.6	0.8	-2.4	0.3	-4.9	-2.4	-0.7	0.2	0	0.1
17th	2	0.3	-1.6	2.4	-2.2	4.5	-0.9	0.3	-1.6	-0.9
18th	0.8	-2.3	0.6	1.8	1.1	5.2	0.7	1.4	-0.2	-0.5
19th	5.7	4	-4.4	0.9	-13.1	1.7	-7	-1.4	-1.6	0.7
20th	5	-2.6	0.2	2.2	-7.3	8.3	-1.1	6	0.8	-1.9

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RUN 22   PT 26

V/OR = 0.201   ALFS,U = -9.99   CLRH/S = 0.049665   CTH/S = 0.050337
VKTS = 80.1   MTIP = 0.605   CXRH/S = 0.008212   CP/S = 0.003326

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	129.5		-0.5		35.4		-41.4		1.4	
RMS	33.3		20.8		33.8		59.6		17.4	
1/2 P-P	64.2		48.3		57.3		106.4		38.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	24.3	33.1	19.7	-9.5	21.5	-38	14.5	-58.7	-6.4	-16.4
2nd	7.6	5.4	0.2	8.3	-4.2	12.9	-37.7	18	-11.1	6.3
3rd	3.4	-0.7	6.6	0.2	7.2	3.3	4.1	39	-2.5	8.1
4th	-0.1	-4.2	0.4	-4.4	-0.1	-3.8	-1.4	7	4.3	2
5th	4.2	6.9	7.3	6.1	7.5	5.6	-5.7	-6.5	-0.7	-2.8
6th	-3.8	3.7	-1.6	3.5	-0.1	2	1.4	-3.4	-2.7	-0.6
7th	8.4	5.1	6.3	2.4	2.9	0.9	-0.5	-0.8	0.9	0.7
8th	-3.3	11.9	-0.9	8.4	-0.5	2.7	-0.7	1.1	1.7	1.5
9th	-1.9	2.9	-1.1	1.4	-0.4	-0.5	0	0.1	0.8	-0.2
10th	1.6	-0.8	0.8	-0.9	0.2	0.1	1	-1.3	-1.2	0.9
11th	-1.5	-3.5	-1.2	-2.2	0.7	0.3	-0.3	-1.8	-0.3	1.5
12th	3.5	0.1	1.5	-1	-0.5	-0.1	0.6	-0.5	-0.1	0.2
13th	0.2	2.3	1.1	0.2	0.7	-0.5	1.1	-1	-0.5	0.4
14th	-3.8	2.6	-0.8	0.5	1.7	-1.3	1.8	-0.9	-1.8	0.8
15th	-2.1	-1.1	-0.8	-0.3	1.3	0.7	1.7	0.5	-1.8	-0.4
16th	1.5	-0.6	0.1	-0.7	0	0.6	0.1	1.2	-0.2	-1.2
17th	0.5	1.8	0.5	0.1	0.1	-0.4	-0.2	0.1	0.7	-0.6
18th	-0.2	1.2	0.5	-0.1	0.3	-0.1	0	0.1	0.6	-0.4
19th	0.2	0.8	0.1	-0.1	0.2	0.1	0	0.5	0.4	-0.2
20th	-1.1	-1.5	0.1	-0.3	1.3	0.6	-0.4	0.1	1.8	0.8

RUN 22   PT 26

V/OR = 0.201	ALFS,U = -9.99	CLRH/S = 0.049665	CTH/S = 0.050337
VKTS = 80.1	MTIP = 0.605	CXRH/S = 0.008212	CP/S = 0.003326

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-24.1		724.5		328.4		1393.7		-108.5	
RMS	330.5		257.2		274.6		227.9		115.4	
1/2 P-P	551		521.5		549.1		437.9		190.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	55.7	458.7	19.6	351.3	-29.9	363.8	-62.9	275.8	58.1	147.1
2nd	13.9	-7.9	9.9	-19.8	20	-43.1	30.8	-47.5	27.4	13.1
3rd	-27.8	-55.2	-43.9	-34.5	-56.9	-30.3	-48.3	-32	1.9	-16.3
4th	2.4	8	13.5	19.2	20.7	31	26.8	26.8	-3.7	-2.4
5th	-1.3	-11.2	54	5.6	91.3	22.5	117.8	31	-13.6	4.1
6th	-5.8	-8.8	0.1	-4.7	2.4	1.7	5.6	4.1	-3.2	2
7th	5.1	3.5	-2.6	-1.5	-5.7	-1.1	0.1	-1.5	1.8	1.3
8th	0.7	-4.3	2	-11.5	3.2	-5.5	1.2	3.6	-1.3	0.7
9th	15.3	11	11.5	1.5	1.5	-0.2	-10.2	-6.2	-0.1	0.1
10th	4.4	4.1	3.3	2.8	0.8	0.1	-1	-4.5	-1.7	1.7
11th	-9.2	10.7	-3.2	14	-3.5	4.3	2.9	-10.3	-2.6	0.6
12th	-1.4	4.6	-1.5	6.9	0.8	2.7	2	-3.9	1.7	-0.1
13th	-1.8	-9.3	-8.2	-16.6	-6.1	-10.9	4.2	3.7	-3.9	-0.2
14th	-0.6	-0.3	2	-6.1	-3.3	-1.3	1.6	-0.5	-7.2	2.3
15th	-0.3	-0.6	3.2	-3.1	-2	-4.5	1.5	0	2	-1.7
16th	-0.7	0.8	-2.7	2.2	-3.2	-0.8	-0.3	0.2	-1.2	1.1
17th	-2	-2.2	2.2	0.1	4.2	2.4	1.9	-0.1	-1.3	0.4
18th	-1.6	-2.8	0.1	1.9	1.2	4.6	1.6	1.5	-1	-0.3
19th	-3.7	-2.4	3.7	-0.1	7.3	-0.2	5.2	0.1	0.3	-0.3
20th	-10	-7.8	5.2	1	16.1	0.4	16.3	3.4	-0.9	-0.9

RUN 22   PT 27

V/OR = 0.201	ALFS,U = -9.99	CLRH/S = 0.058867
VKTS = 80.1	MTIP = 0.606	CXRH/S = 0.009882

CTH/S = 0.059689
CP/S = 0.003910

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	150.9		12.8		43.5		-41.8		4.1	
RMS	41.4		21.9		34.9		63.6		19.7	
1/2 P-P	72.5		50.1		61.5		115.4		44.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	29.9	43	22.6	-7.3	22.8	-39.5	12.3	-62.3	-8.7	-17.8
2nd	11.4	8.2	1.6	8.8	-3.5	12.1	-42.8	12.9	-13.5	5.6
3rd	-0.9	2.8	2.8	3.1	3.2	6.3	-0.2	43.2	-4	7.9
4th	-0.9	-6.7	0.1	-6.3	0.2	-5.3	-2.9	8.4	5.3	3.2
5th	2.2	7.6	7.2	6.1	8	5.3	-5.8	-6.6	-0.7	-2.2
6th	-9.5	3.8	-4.7	3.8	-1	1.7	2.1	-2.9	-3.9	-1.2
7th	9	1.6	6.4	0.1	3	0.2	-0.4	-1.3	0.8	-0.6
8th	-5.8	8.8	-2.5	6.8	-0.6	2	-1.5	0.8	2.1	1.2
9th	-1.2	1.5	-0.8	1.3	-0.4	0.4	0.4	-0.5	0.7	0.8
10th	2.2	-2.1	1.3	-1.4	0.6	0.7	1.6	-1.6	-1.7	1.3
11th	1.1	-5	0	-3.2	0.1	0.8	0.5	-2.1	-1.4	1.6
12th	3	1.5	1.8	-0.4	-0.2	-0.3	0.8	-0.4	-0.1	0.1
13th	-0.5	2.4	0.7	0.5	0.6	-0.2	1	-0.4	-0.3	0.2
14th	-2.9	0.8	-0.8	0.3	1.4	-0.3	1.4	0.1	-1.4	0.1
15th	0.1	-1.3	-0.3	-0.6	0.5	1	0.7	1.2	-1	-0.9
16th	2.2	0.9	0.6	-0.7	-0.5	0.3	-0.8	1.1	0.7	-1.1
17th	-0.9	2	0.1	0	0.5	-0.5	-0.1	0	0.9	-0.6
18th	-0.7	1.2	0.3	-0.2	0.4	-0.3	0	0.2	0.8	-0.5
19th	-0.4	0.5	0.4	0	0.6	0.4	-0.4	0.5	0.9	0.2
20th	-0.9	-1.2	0	-0.1	0.9	0.7	-0.4	0.1	1.3	1

RUN 22   PT 27

V/OR = 0.201   ALFS,U = -9.99   CLRH/S = 0.058867   CTH/S = 0.059689
VKTS = 80.1   MTIP = 0.606   CXRH/S = 0.009882   CP/S = 0.003910

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-7.9		730.4		329.4		1406		-122	
RMS	351.9		271.9		290.9		237.4		134.7	
1/2 P-P	563.8		515.6		541.4		429.6		224.5	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	87.1	484.7	37.9	371.3	-17.1	389.9	-55.9	296.8	66.4	171.9
2nd	19.9	3.8	14.3	-13	25.5	-35.3	38.7	-41.7	34.3	21.5
3rd	-39.9	-42.3	-57.2	-26.6	-70.7	-27.3	-60.5	-31.9	-2.4	-11.6
4th	-0.8	12.6	12.2	32.4	18.7	50.2	26.1	46.5	-2.6	-8.7
5th	-11.4	-24.7	34.7	-29.8	65.9	-30.2	92.6	-27.1	-17.7	3.5
6th	-17.4	-5.4	6.6	-5.5	20.5	-2.6	28.4	-2.8	-7.9	0.9
7th	-2.9	-5.3	-5.7	-0.8	-3.5	3.1	7.2	2.4	-1.2	1.5
8th	-5.3	-2.1	1.6	-8.7	3.9	-6.2	2.8	-2.6	-3.3	0.6
9th	10.3	-6.9	6.4	-6.3	1.3	-0.6	-4.5	3.9	0.8	-0.5
10th	7.2	-7.7	3.1	-4.3	-0.5	-2.7	-1.7	0.8	-1.4	-0.8
11th	1.4	1.5	2.2	5.9	0.2	-0.1	0	-5.3	-0.9	-1.5
12th	7.1	-7.4	3	-9.5	3.2	-6	0.1	2.9	0	1.5
13th	0.4	-4	-0.8	-7.4	-1.6	-3.8	1.9	1.5	-3.5	0
14th	-0.2	-0.9	0.7	-0.3	-4.7	1.1	1.2	0.1	-3	0.4
15th	0	-0.8	2	-1.9	-0.1	-5.5	0.5	0.4	2.2	-1
16th	-0.4	-0.2	1.1	1.2	3.9	-1.1	0.6	-0.2	-0.4	1.7
17th	-0.9	-1	1.2	-1.8	0.6	0.2	1.9	-1.4	-1.2	1.7
18th	-1.3	1.2	0.5	-2.2	-0.2	-3.6	1.8	-2.2	-0.7	-0.5
19th	-1.1	-5.2	1.6	2.8	4	6	4.2	4.7	0.7	0.8
20th	1	3.5	-0.8	-0.8	-7.9	-6	-0.5	-1.3	0.5	-1.5

RUN 23   PT 5

V/OR = 0.200 ALFS,U =-10.00 CLRH/S = 0.014629 CTH/S = 0.014705
VKTS = 79.9 MTIP = 0.606 CXRH/S = 0.001720 CP/S = 0.001566

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	59.4		-48.1		4.4		-39.3		-10.2	
RMS	16.7		19.8		29.1		43.4		11.7	
1/2 P-P	46.8		44.4		51.3		75.5		23.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	7	2.5	9.6	-13.3	16.2	-30.2	23.7	-44.6	5	-13.1
2nd	-4.9	1.8	-5.9	6.9	-6.9	12.4	-16.3	25.8	-2.4	6.2
3rd	14.1	-5.2	13.6	-9.2	13.4	-7.8	8.4	11.1	0.8	3.9
4th	5.8	2.7	5.9	0.2	3.9	-0.5	-0.9	2.9	-0.5	0.1
5th	7.9	-0.5	7.6	-2.1	6.3	-1.5	-6.5	1.7	-1	-0.9
6th	1.7	4.2	2.4	2.8	1.6	1.8	-0.7	-3	0.4	-0.2
7th	0.6	1.7	0.9	0.7	0.7	-0.1	0.1	-1.2	-0.1	-0.2
8th	1.9	6.8	2.1	4.2	0.9	1.1	0.5	0.4	0.8	-0.3
9th	-1.3	2.4	-0.6	1.4	0.3	0.1	-0.5	-0.1	0.9	-0.4
10th	-0.7	0.4	-0.4	-0.1	0.4	-0.1	-0.2	-0.9	0.6	0.6
11th	-3.5	-3.4	-2.2	-1.6	1	0.3	-1.1	-1.6	0.7	1.7
12th	1.9	-1.8	0.3	-1.6	0.2	0.3	0.4	-0.9	-0.6	0.7
13th	1.3	0.7	0.7	-0.1	0.3	0	0.5	-0.6	-0.5	0.1
14th	-0.6	3	0	0.6	0.5	-1.2	0.6	-1.2	-0.4	0.9
15th	-3.3	1.1	-0.9	0.8	1.6	-0.8	1.7	-1.1	-1.4	1.1
16th	0.4	-2.4	-0.8	-0.7	0.7	1	1.1	1	-0.8	-0.9
17th	1.6	0.8	0.2	-0.2	-0.3	-0.2	-0.3	0.2	0	-0.7
18th	0.8	0.6	-0.1	-0.1	0	-0.3	0.2	0.2	-0.1	-0.7
19th	0.1	0.4	-0.2	-0.3	0.3	-0.3	0.3	0.4	0.2	-0.9
20th	-0.3	-0.4	0.1	0	0.6	-0.2	-0.1	0.2	0.9	-0.2

D-285

RUN 23   PT 5

V/OR = 0.200
VKTS = 79.9

ALFS,U = -10.00
MTIP = 0.606

CLRH/S = 0.014629
CXRH/S = 0.001720

CTH/S = 0.014705
CP/S = 0.001566

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-15.6		740.4		371.6		1410.1		-41.8	
RMS	35		41		80.1		86.4		39	
1/2 P-P	77.1		106.2		167.5		167.2		75.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	3.1	34.5	-5.6	31	-37.4	79.5	-59.2	82.2	26	43.8
2nd	-4.3	-17.8	-0.7	-18	8.8	-37.5	14.9	-40	3.7	-4.5
3rd	-16.5	15	-22.7	23.3	-34.8	30.8	-28.8	17.7	11.4	-3.1
4th	-4.6	-8.4	-4	-13.8	-0.2	-14.1	8.1	-16.8	-4.3	6
5th	-10.5	5.3	-3.9	19.2	-1.8	30.3	9.2	29.2	-3.5	-0.2
6th	-2.5	-8	-4	-4.3	-4.3	0.4	0.4	3.7	-4.9	3.1
7th	-1.9	0.9	-0.7	-2.4	-1.4	-2.6	1.1	-5.4	-2.6	0.1
8th	1.4	-2	-0.9	-5.9	-0.5	-2.6	1.6	1.6	-0.4	0.4
9th	-2.4	-1.7	-0.4	-2.8	0.3	-0.5	1.6	0.6	-0.1	1
10th	2.7	-0.7	3	-1.3	0.5	-0.4	-1.7	-0.7	-0.6	1.6
11th	1.3	-0.2	5.4	1.2	-0.7	-0.4	-2.9	-2.4	-2.2	0.8
12th	0.1	1.6	0.2	3.8	-0.5	0.5	0.5	-2.9	0.1	2.4
13th	2.3	0.1	4.3	-1.2	3.2	-0.6	0.1	-0.7	-0.9	0
14th	-0.7	0.2	0.1	-1.4	-1	2.7	1.4	-1.3	-2.7	1.7
15th	-0.2	0	3.1	-0.1	-3.3	4	1.5	-0.6	0.8	-1
16th	0.1	0.1	1.9	2	-1.6	-1.3	0.4	0.3	1.9	1.1
17th	-0.7	-0.5	0.7	0.2	1.4	0.6	-0.1	-0.7	-0.5	-0.3
18th	-0.3	-0.3	0.6	0.4	0.3	1.6	0.3	-0.5	0.6	0.3
19th	0.7	-0.4	0.3	0.5	-1.5	2.2	0.2	-0.4	-0.8	0.7
20th	-0.5	-0.1	0.8	-0.2	-0.9	0.3	1.9	-0.7	0.2	0.4

D-286

RUN 23   PT 6

V/OR = 0.200	ALFS,U = -10.00	CLRH/S = 0.028089	CTH/S = 0.028391
VKTS = 80.0	MTIP = 0.606	CXRH/S = 0.004196	CP/S = 0.002161

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	88		-29.7		15.5		-39.7		-6.6	
RMS	17.2		20.6		31.4		47.8		12.6	
1/2 P-P	45.3		41.8		50.3		79.8		27.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	11.4	2.1	12.4	-16.8	18	-35.2	19.6	-49.2	0.6	-13.6
2nd	-2.7	2.1	-4.9	6.6	-6.6	11.6	-24.6	22.9	-5.6	6.5
3rd	12.8	-3.6	12.3	-5.9	12.1	-3.7	6.9	22.3	-0.4	5.7
4th	4	0.1	4.1	-1.6	2.6	-2.1	-1	4.8	1.3	0.6
5th	6.9	2.6	7.1	1.3	6	1.6	-5.6	-2	-0.6	-1.7
6th	-0.1	4.2	0.5	3.4	0.5	2.3	0.4	-3.8	-0.6	-0.3
7th	2.6	2.6	2	1	1.3	0	-0.1	-1.1	0.2	0
8th	1.8	9.8	2.5	6.1	1	1.7	0.4	0.8	1.5	0.3
9th	-1.8	2.5	-0.7	1.5	0.3	0.3	-0.4	-0.2	0.9	-0.2
10th	-0.1	-0.5	-0.3	-0.7	0.3	-0.1	0	-1.4	0.2	1
11th	-1.3	-5.3	-1.3	-3	0.9	0.6	-0.4	-2.4	0.2	2.4
12th	2.7	-0.5	0.9	-1.2	0	0.2	0.9	-0.9	-0.7	0.6
13th	0.7	1.4	0.6	0.1	0.6	-0.2	1	-0.6	-0.8	0.1
14th	-1.3	2.1	-0.1	0.5	1.1	-0.7	1.2	-0.8	-1	0.4
15th	-2.4	0	-1	0.2	1.5	0	1.8	-0.3	-1.4	0.5
16th	1.4	-2.2	-0.6	-1.2	0.4	1.1	0.9	1.6	-0.7	-1.4
17th	1.7	1.5	0.1	-0.3	-0.3	-0.4	-0.4	0.2	0.2	-0.8
18th	0.8	1	-0.2	-0.3	0.1	-0.2	0.2	0.3	-0.1	-0.7
19th	0.5	1.1	-0.2	-0.3	0.1	-0.4	0.2	0.5	0.3	-0.9
20th	-0.8	-0.3	-0.1	-0.1	1	-0.1	0	0.2	1.3	0

D-287

RUN 23　　PT 6

V/OR = 0.200　　ALFS,U = -10.00　　CLRH/S = 0.028089　　CTH/S = 0.028391
VKTS = 80.0　　MTIP = 0.606　　　　CXRH/S = 0.004196　　CP/S = 0.002161

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-1		741.2		367		1412.8		-64.9	
RMS	93.6		82		122.4		118.7		54.5	
1/2 P-P	167.8		169.6		239.2		249.7		117.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	9.4	128	-6.6	105.7	-42.2	149.1	-64.4	130.6	38.1	63
2nd	-0.4	-11.7	1.2	-15.8	11	-36.5	18.7	-40.4	9.1	0.8
3rd	-9.6	-8.1	-20.5	5.4	-33.2	12.6	-26.8	3.1	11.2	-7.3
4th	-9.5	-5.5	-6.5	-5.3	-2.4	-2	6.4	-5.8	-3.5	2.9
5th	-8.9	3.2	3.8	29.1	9.4	50.7	22.9	55.4	-5.5	3.9
6th	1.4	-8.7	-3.4	-6.2	-6.6	-1.5	-7	1.6	-2	2.4
7th	1	8.3	-0.8	-0.9	-3.9	-6	-1.3	-12.5	-0.6	1.8
8th	3.3	-1.3	-0.1	-7.9	-1	-4.3	0.7	1.8	0.3	3.8
9th	-1.6	2.2	0.8	-0.9	0.4	-0.7	1.4	-2	-1	1.9
10th	4.3	-0.8	3.9	-0.9	0.3	-0.4	-2	-1.3	-1.7	0.6
11th	0.5	3	4	6.5	-1	0.1	-1.4	-5.8	-0.4	-0.2
12th	0	-1.5	-1.9	0.2	-1.2	-1.2	2.1	-1.7	-1	1.3
13th	2	-1	3.3	-2.6	1.8	-1.2	0.3	-0.4	-2.2	-1
14th	-0.9	-0.6	0	-0.2	-3.5	2.7	1.7	-1.2	-3.8	-0.5
15th	0	-0.6	3	-0.4	-3.1	0.9	1.3	-0.2	1.6	-1.5
16th	0.3	0.2	1.4	2.5	-1.4	-1.6	0	0.3	3	1.1
17th	-0.4	-0.8	-0.2	0.1	1.3	1	0.1	-1.2	-0.7	0.8
18th	-0.7	-0.2	1.6	-0.4	1.7	-0.2	1.2	-1.1	0.2	0.7
19th	-2.1	-1	2.1	-0.5	3.5	-0.2	2.4	-1.5	-0.3	0.9
20th	0.8	2.4	0.4	-1	-4.6	-2.4	0.3	-2.5	0.5	-0.8

D-288

RUN 23   PT 7

V/OR = 0.200   ALFS,U = -10.00   CLRH/S = 0.049910   CTH/S = 0.050584
VKTS = 80.1   MTIP = 0.606   CXRH/S = 0.008251   CP/S = 0.003349

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	131.1		-0.2		35.7		-40.9		0.1	
RMS	34		20		33.5		58.5		17.3	
1/2 P-P	63.1		45.2		58.7		106.1		37.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	22.7	35.4	18.7	-8.3	21.4	-37.5	13.7	-57.9	-6.3	-16.1
2nd	7.4	5.8	0.2	8.2	-4	12.2	-37.3	17.3	-11.2	6.3
3rd	3.8	-1.3	6.6	-0.4	7.1	3.6	3.2	37.8	-2.6	7.6
4th	0.1	-4.8	0.7	-5	0.1	-4.6	-1.5	7.4	4.4	2.2
5th	2.8	7	6.4	6.5	7.1	6.3	-5	-7.2	-0.5	-2.8
6th	-5.1	3.3	-2.7	3.4	-0.8	2.4	1.8	-3.6	-2.7	-0.7
7th	9.4	4	6.7	1.4	3	0.4	-0.3	-0.8	1.1	0.2
8th	-3.5	10.9	-1.3	7.6	-0.4	2.3	-0.8	1.1	1.8	1.2
9th	-1.3	1.4	-1	0.3	-0.2	-0.3	0.1	-0.3	0.7	0
10th	2.7	-1.4	1.2	-1.5	0.2	0.1	1.2	-1.5	-1.3	1
11th	-3.3	-6.3	-2.5	-3.4	1.1	0.6	-1.2	-2.3	0.3	2.1
12th	3.5	0.6	1.5	-0.9	-0.3	0.2	0.8	-0.5	-0.1	0.3
13th	-0.3	2.1	0.9	-0.1	1	-0.5	1.3	-0.8	-0.8	0.4
14th	-3.9	1.6	-0.6	0.1	2	-0.8	2	-0.8	-1.9	0.6
15th	-1.5	-2	-0.9	-0.6	1.3	1	1.7	1	-1.7	-0.6
16th	2.8	0.1	0.6	-0.8	-0.6	0.7	-0.7	1.2	0.7	-1
17th	0.2	2.6	0.5	0.4	0	-0.7	-0.5	-0.6	1	-0.1
18th	0.5	0.9	0.5	-0.1	0.1	0.1	-0.2	0.1	0.6	-0.1
19th	0.6	1	0.2	-0.2	-0.1	0	-0.3	0.4	0.3	-0.1
20th	0.2	-0.9	0.1	-0.1	0.8	0.8	-0.3	0	0.9	1.1

D-289

RUN 23   PT 7

V/OR = 0.200
VKTS = 80.1

ALFS,U =-10.00
MTIP = 0.606

CLRH/S = 0.049910
CXRH/S = 0.008251

CTH/S = 0.050584
CP/S = 0.003349

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	32		746.2		362.9		1420.6		-104.7	
RMS	329.6		255.1		272.7		226.2		115.5	
1/2 P-P	541.8		509.3		552		439.3		193.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	52.5	457.9	18	348.8	-29.3	361.4	-61.4	273.4	55.3	148.3
2nd	12.5	-6	9.3	-18	17.7	-40.5	29.9	-45.6	27.1	12.6
3rd	-23.7	-54.5	-39.2	-34.2	-51.9	-29.4	-43.5	-32.1	2.9	-16.5
4th	4.4	9.7	16.9	21.8	25.2	34.7	31.1	30.3	-4.8	-4.9
5th	-2.2	-11.2	52.2	11.9	88.4	32.6	114.3	43.1	-13.5	3.7
6th	-5.2	-10.3	0.6	-3.7	2.2	4.4	3.7	8.3	-4.2	1.5
7th	6.9	4.8	-2.8	-0.1	-7.8	-0.6	-2.1	-2.6	1.5	2.8
8th	1.5	-2.9	2.6	-10	2.6	-5.5	0.8	2.8	-0.9	1.2
9th	14.9	14.9	11.8	5	1.7	0.5	-9.5	-9.2	-0.6	0.8
10th	4.5	6.8	3.2	6	1.1	0.7	-0.7	-6.4	-1.2	1
11th	-9.3	9	-1.7	14.9	-4.9	3.6	1.9	-10.3	-3.6	-1.2
12th	-3.6	5.8	-3.6	8.8	-1.1	4	2.8	-4.3	0.4	2.2
13th	-0.7	-8.3	-4.8	-16	-5.1	-10.4	3.7	3.4	-4.6	0.8
14th	-0.7	-0.4	2.6	-4.9	-3.5	-2	2.2	-0.1	-6.9	0.7
15th	-0.5	-1	2.8	-1.6	-2.2	-4.7	1.5	0.7	2.6	-2
16th	-1	0.4	-4.1	2.9	-1.7	-0.4	-0.5	0.1	-0.7	2.3
17th	-1.4	-3.2	2.1	-0.1	4.9	4.2	2.3	0.4	-0.7	0.4
18th	-1.4	-3.2	-0.2	2.5	2	4.9	1.3	2.6	-0.3	-0.8
19th	-4.3	-4.5	4.8	0.7	11.3	1.8	6.8	1.8	0.3	-0.5
20th	-7.4	-9.3	5	2.5	15.7	4.8	14	6.8	0.6	-1.9

D-290

RUN 23   PT 8

V/OR = 0.200 ALFS,U = -10.00 CLRH/S = 0.069274 CTH/S = 0.070280
VKTS = 80.1   MTIP = 0.606   CXRH/S = 0.011855 CP/S = 0.004652

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	174		28.6		52.7		-41.1		6	
RMS	47.2		24.7		37.6		68.4		22.7	
1/2 P-P	85.7		60.1		69.4		127.9		48.5	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	35.9	45.3	25.5	-8	25.2	-42.1	9.4	-65.9	-11.5	-19.7
2nd	16.7	10.8	4.3	9.7	-2.2	12	-48.2	7.3	-16.6	4.8
3rd	-5.5	9.8	-1.7	8.1	-2.2	10.8	-6.1	48.3	-5.7	7.6
4th	-1.1	-10	-0.9	-8.6	-0.9	-7.4	-3.9	9.7	6.9	4.3
5th	-0.8	8.7	4.5	6.9	5.5	5.3	-2.4	-6.3	0.1	-1.3
6th	-11.3	5.5	-6	4	-2.1	1.2	2.6	-1.7	-4.8	-1.1
7th	8.3	3.1	6.5	0.9	3.3	0.2	-0.8	-1	0.6	-0.5
8th	-9.8	6.9	-5.3	5.5	-1.7	1.3	-2.2	0.6	1.8	1.2
9th	-0.1	0.4	-0.4	0.1	-0.3	0.2	0.5	-0.9	1.1	1.3
10th	3.6	0	2.7	-0.9	0.5	0.2	2.1	-1.1	-2.1	0.7
11th	-3.5	0.3	-1.6	0.4	0.7	0.2	-0.4	0.4	-0.7	-0.4
12th	2.6	2.5	1.7	0.4	-0.3	-0.2	0.6	0	0.1	-0.1
13th	-0.9	2.8	0.2	0.3	0.4	-0.8	0.5	-0.6	0.2	0.5
14th	-2.4	1.2	-1	0.5	0.9	-0.3	0.8	0	-1	0.2
15th	-1.2	-2	-1.3	-0.5	0.8	1	1	1.3	-1.8	-1
16th	1.7	1.7	0.6	-0.4	-0.8	0	-1	0.6	0.8	-0.7
17th	-1.9	1.8	-0.3	0.2	0.7	-0.7	0.4	-0.4	0.6	-0.1
18th	-0.3	1.2	0.1	-0.1	0.2	-0.1	-0.2	0.2	0.4	-0.2
19th	-0.8	1.6	0.1	-0.4	0.2	-0.5	-0.3	0.4	0.4	-0.6
20th	-1	0.1	0.2	0.3	0.8	0	-0.3	-0.1	0.6	0.3

RUN 23 PT 8

V/OR = 0.200	ALFS,U =-10.00	CTH/S = 0.070280
VKTS = 80.1	MTIP = 0.606	CP/S = 0.004652
	CLRH/S = 0.069274	
	CXRH/S = 0.011855	

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	75.5		755.5		362.8		1427.2		-131.6	
RMS	380.3		296.8		318.1		254.1		154	
1/2 P-P	569.1		507.9		596.9		490		259.5	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	108.1	521.6	48.8	403.2	-9.5	425.9	-50.9	323.8	81	193.1
2nd	38.6	-2.5	27.8	-22.1	36.5	-42.4	49.9	-47.2	42.4	30.3
3rd	-24.5	-10.9	-45.5	-5	-61.2	-11.6	-56.2	-20.9	-7.2	-2.7
4th	-5	31.5	9	64.1	13.8	92.1	21.3	87	-0.8	-13.4
5th	-21.5	-35.6	-12.6	-49	-6.3	-58.8	9.3	-56.1	-20.4	3.6
6th	-15.8	9.9	5.5	-7.7	15.5	-18.2	20.5	-26.9	-9.2	2.7
7th	-8.3	-5.3	-7.3	-0.8	-2.3	3.1	10.3	3.6	-0.8	2.9
8th	-3.1	6.2	5.9	-2.7	3.2	-4	-4.2	-5.6	-3.4	1.1
9th	6.9	-1.3	5.1	-1.6	1.6	-0.3	-2.7	-0.8	1.6	-0.5
10th	-3.5	-5.6	-5.8	-2.1	-1.8	-0.9	5.8	1	-1.9	0
11th	10.5	11.3	14.8	7.3	4.2	3.4	-7.6	-5.4	-2.4	-1.8
12th	-3.7	-2.8	-6.6	-2.2	-2.2	-1.1	4.5	0.8	0	-0.7
13th	-5.4	-0.8	-10.4	-0.1	-8.9	1.6	4.1	-0.8	-4.2	2.5
14th	0.3	0	0	0.7	-4.5	2.1	1.1	-0.1	-1.8	1.6
15th	0.6	0.6	-4	1.2	-9.2	-2.8	-0.5	0.4	1.3	-1.1
16th	0.3	0.8	2.1	2.6	4.3	1.2	0.7	-0.3	-0.7	2.2
17th	2.7	1.3	-1.5	-1.7	-6.4	0.1	-0.5	-1.7	1	-0.3
18th	1.2	0.8	-0.2	-0.8	-1.8	-1.4	0	-1	-0.4	0
19th	0.7	2.3	-0.7	-1	-2.9	-1.7	-0.9	-2.5	-0.5	0.9
20th	10.5	1.6	-3.5	1.9	-17.1	7.3	-9.4	4.9	2.1	0.4

D-292

RUN 23   PT 9

V/OR = 0.200   ALFS,U =-10.00   CLRH/S = 0.088867   CTH/S = 0.090233
VKTS = 80.1   MTIP = 0.606   CXRH/S = 0.015645   CP/S = 0.006261

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	219.2		59.4		72.5		-38.6		13.1	
RMS	66		34.2		43.7		80.4		28.9	
1/2 P-P	127.5		78.6		81.8		151.6		61.8	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	52.9	58.1	34.9	-6.2	30.5	-45.5	5.9	-72.8	-15.7	-24.2
2nd	28.9	16.3	9.6	11.5	0	11.6	-58.9	-7.1	-22.3	2
3rd	-9.6	22.4	-9	17.2	-12.7	18.2	-20.2	57.9	-9.8	6.4
4th	4.7	-14	1.4	-11.5	0.1	-9.4	-9	10.3	8.7	6.3
5th	-2.8	10.4	1	9.1	0.5	7.1	3.9	-7.6	2.1	-0.2
6th	-8.3	1.9	-5.8	1.2	-3.5	-0.5	4.5	0.5	-5.5	-2.7
7th	9	6.2	7.5	2.9	3.8	1.2	-0.8	-1	0.4	-1.3
8th	-15.8	5.9	-10.3	5.3	-3.9	1	-2.8	0.3	0.7	2.2
9th	-0.4	-0.5	-1	-0.5	-0.8	-0.2	0.5	-0.9	0.8	2
10th	4.6	4.6	3.1	1.4	-0.2	-0.2	2.9	0.7	-3	-0.8
11th	-4.2	0.7	-1.9	1.1	0.4	0.3	-0.6	1.1	-0.6	-1.7
12th	1.2	3.5	1.1	1.6	-0.5	-0.3	0.3	0.9	0.3	-0.6
13th	-1.2	2.1	-0.1	1	0.1	-0.2	0.2	0.5	0.6	0.3
14th	-1.4	-0.9	-0.6	0.3	0.5	0.9	0.7	1.1	-0.6	-0.7
15th	1.4	-3	-0.3	-1.2	-0.3	1.7	-0.2	2.4	-0.4	-2.2
16th	0	2	0.7	0.1	-0.4	-0.3	-1.1	-0.2	0.7	0
17th	-2	-0.2	-0.2	0.5	0.8	0	0.5	-0.2	0.5	0.8
18th	-0.7	-0.3	0.4	0.5	0.3	0.5	-0.3	0	0.4	0.9
19th	-0.2	-0.6	0.3	0.4	0	0.5	-0.5	-0.1	0.2	0.9
20th	1.6	-1.7	0.1	0.2	-0.3	1.3	0	-0.5	-0.5	1.7

RUN 23   PT 9

V/OR = 0.200   ALFS,U =-10.00   CLRH/S = 0.088867   CTH/S = 0.090233
VKTS = 80.1   MTIP = 0.606   CXRH/S = 0.015645   CP/S = 0.006261

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	122.5		766.7		356.9		1430		-156.8	
RMS	433.1		350.8		390		319.3		193.4	
1/2 P-P	631.6		622.1		758.6		664.2		312.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	134.6	585.7	54.6	459.2	-11.7	494.6	-55.3	374.6	105	236.1
2nd	61.2	-10	42.2	-33.6	54.3	-47.8	71.9	-47.3	64.1	49.9
3rd	25.1	15.2	-15.4	-0.2	-38.4	-18.6	-47.2	-31.2	-6.4	13.3
4th	10.3	67.9	21.2	128.3	22.1	177.9	26.5	172.5	11.4	-19.2
5th	-30.1	-57	-76.8	-69.8	-107.6	-84.1	-106.6	-74.3	-23.7	2
6th	1.2	14.7	0.3	-5.1	-4.8	-17.8	-8.6	-31.2	-7.3	3
7th	-14.6	-7.2	-11.2	-2.5	-1.5	1.4	17.5	5.1	-2.8	2.7
8th	4.6	8.2	13.2	-1.2	7.3	0.4	-10	0.2	-4.7	3.4
9th	2.6	2.5	2.4	1.7	2.3	1	-0.3	-2.2	3.1	0.6
10th	3	4.4	-1.8	0.9	0.4	1.4	3.1	0.4	-0.4	2
11th	14.2	8.2	17.5	3.2	5.3	1.4	-9.3	-2.2	-1.5	-4.1
12th	1.4	13.7	4.1	13	4.1	9	0	-5	1.3	1.1
13th	-4.6	2.8	-6.1	6.4	-5.5	6.4	2.2	-0.9	-2.2	1.6
14th	1.2	0.1	1.9	1.1	-0.7	-1.2	0.1	1.5	2	-2.2
15th	1.6	0	3.6	7.1	3	1.2	-0.7	1.2	2.9	2
16th	0.9	0.4	2.5	-0.3	5	0.9	1.6	-0.4	-1.5	1.3
17th	0.5	-2.6	0.9	0.9	-1.2	2.9	1.6	1.9	0.1	0.6
18th	0.7	-3.2	0.4	3.1	0.8	5	1.2	4.1	-0.6	-0.8
19th	0.3	-1.8	0.2	-0.4	0.6	-1	0.3	1.8	0.3	-0.8
20th	-5	-14.4	4.8	4.6	20.4	10.9	12.7	14.7	2.3	-1.6

D-294

RUN 23   PT 10

V/OR = 0.200	ALFS,U =-10.00	CLRH/S = 0.099079	CTH/S = 0.100477
VKTS = 80.2	MTIP = 0.607	CXRH/S = 0.016717	CP/S = 0.007012

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	241.9		73.8		81.8		-37.8		17.6	
RMS	70.5		37.9		47.9		88.8		32.9	
1/2 P-P	123.3		89.6		93.7		172.9		70.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	47.3	62.5	33.3	-6.9	30.9	-48.3	3.4	-77.4	-17.2	-27.2
2nd	30.7	21.3	10.4	13.4	0.4	12.1	-65.7	-14.9	-25.6	0
3rd	-10	29.6	-13.3	21.8	-19.5	21.3	-30.7	61.4	-12.1	4.9
4th	11.7	-18.9	4.7	-14.7	1.8	-11.3	-12.9	10.4	10.2	7.9
5th	-2.6	13	-0.5	12.2	-2.5	9.5	8	-9.4	3.5	-0.1
6th	-6.6	-5.4	-6.1	-2.3	-4.4	-1	5.4	0.6	-6.1	-4.8
7th	10.5	8	9.3	4.3	5.1	1.9	-1.2	-1.2	0.8	-1.7
8th	-17.8	3.6	-11.7	4.3	-4.1	1	-3.7	-0.2	1.1	2.6
9th	-0.6	-0.9	-0.6	-1.1	-0.3	-0.7	0.7	-1	0.9	2.7
10th	7.2	8	4.3	2.7	-1	-0.5	3.8	1.9	-4.3	-1.9
11th	-9.6	-2.2	-5.2	0.6	0.8	0.6	-2.9	0.9	0.9	-2.1
12th	0.9	3.7	0.4	2.4	-0.8	0	-0.4	1.5	1.1	-1.1
13th	-1.3	1.8	-0.6	1.3	-0.1	0.1	-0.1	0.7	0.9	0.6
14th	0.6	-3	-0.5	0.2	-0.4	2	-0.2	2.3	0	-1.5
15th	2.9	-4	0	-1.8	-0.9	2	-1	2.8	0.3	-2.8
16th	-0.3	2.7	0.8	0.6	-0.5	-0.8	-1.1	-1	1.1	0.3
17th	-2.1	-1.1	-0.3	0.2	0.9	0.4	0.5	-0.1	0.5	0.9
18th	-0.2	-1.3	0.2	0.2	0	0.8	-0.2	0.2	0.1	1.1
19th	-0.2	-0.2	0	0.3	-0.2	0.4	-0.3	-0.2	-0.3	0.7
20th	1.9	-0.2	0	0.4	-1	0.9	0.1	-0.4	-1.4	0.9

RUN 23　　PT 10

V/OR = 0.200　　ALFS,U = -10.00　　CLRH/S = 0.099079　　CTH/S = 0.100477
VKTS = 80.2　　MTIP = 0.607　　CXRH/S = 0.016717　　CP/S = 0.007012

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	124.7		759.8		341.5		1432.2		-171	
RMS	459.8		384.1		436.8		366.8		212.7	
1/2 P-P	692.9		710.6		872.5		776.4		348.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	168.9	612.7	79.6	484.3	3.9	527.7	-47.2	398.9	115.8	255.6
2nd	53.7	-17.3	37.7	-42	54.6	-53.2	80.1	-49.8	70.6	62.2
3rd	50.5	27.3	-2.6	-2.1	-27.4	-28	-42.5	-43.4	0.6	26.6
4th	13.2	70.9	15.7	148.1	10.7	208	16	204.1	23.2	-26.8
5th	-35.1	-73.8	-122	-106	-176.3	-139.1	-185.1	-128	-27.5	-1.5
6th	7.5	4	-1.9	2.4	-12.6	-0.3	-19.1	-9.2	-6.5	-0.4
7th	-14.1	-7.4	-13.4	-3.7	-5	-0.5	17.1	4.8	-5.6	2.9
8th	7.1	2.2	15.6	-2.1	8.3	2.1	-8.9	5.4	-4.7	1.2
9th	-2.4	5.2	0	5.4	0.8	3.2	2.4	-3.9	3.3	0.8
10th	12.8	8	2.9	0.3	2.8	2.5	-0.7	0.9	0.9	4.3
11th	13.2	14	22.4	9	4.9	3.3	-12.9	-5.3	-2.2	-3.5
12th	-8.3	23.3	-4.5	28.4	-1.1	18.4	4	-10.6	3.1	0.1
13th	-2.8	2.6	-4.5	4.5	-4.5	4.3	1	0.2	0.6	1.1
14th	2.1	-1.2	1.6	4.2	0.8	-0.8	-1.3	2.6	5.2	-4.9
15th	1.9	1	2.7	5.5	4.9	-3.4	-1	1	3.5	3.8
16th	0.9	0.1	8.6	-1.5	12.5	1.5	3.4	-0.6	-0.1	0.3
17th	0.1	-0.4	1.1	1.3	-1.6	0	1.4	1.2	-0.4	0.1
18th	-0.5	-0.9	2.2	-0.1	3.2	-2.4	1.9	1.7	0.4	-0.7
19th	-0.8	1.4	-1.3	-1.5	-1.4	-3.8	-1.6	-0.7	0.7	0.7
20th	2.3	-10.3	-1.2	4.1	7.3	13.5	0.2	14.1	2.3	0.5

D-296

RUN 23 PT 11

V/OR = 0.199 ALFS,U = -10.00 CLRH/S = 0.108330 CTH/S = 0.109954
VKTS = 80.2 MTIP = 0.608 CXRH/S = 0.018827 CP/S = 0.008087

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	265.4		89.9		94.9		-34.8		19.5	
RMS	83.6		44		51.3		94.6		36.2	
1/2 P-P	137.2		97.6		98.6		184.2		77	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	60.4	72.5	40.3	-4.2	34.8	-48.9	0.1	-81.5	-17.8	-30.9
2nd	37.1	26.5	13.1	15.3	1.5	12.5	-69	-24	-27.6	-2.6
3rd	-12	31.5	-16.7	23.2	-24.3	21.7	-38.9	61.3	-13.2	3.1
4th	14.8	-23.1	6.4	-17.4	2.8	-13	-14.4	9.8	11.6	9.2
5th	-6.4	15.1	-4	14.7	-5.8	11.5	11.7	-10.6	4.4	-0.2
6th	-4.1	-10.2	-4.7	-5.4	-3.7	-2.2	5.3	1.6	-5.8	-6.5
7th	11.8	12	10.5	7	5.2	3.3	-1	-1.1	1.6	-1.5
8th	-18.6	1.1	-12.5	3.3	-4.5	0.9	-3.7	-0.7	0.6	3.5
9th	0.9	-1	0.2	-1.2	-0.3	-0.5	1.2	-0.7	0	3.2
10th	6.9	9.1	4.3	3.9	-1.1	-0.1	3.9	2.8	-4.3	-2.6
11th	-2.9	-2.8	-2.1	-0.3	-0.1	1	-1.2	0.5	0	-2.1
12th	0.1	3.6	-0.1	2.8	-0.8	0	-0.7	1.6	1.5	-0.9
13th	-2	0.4	-1	1	-0.1	0.3	-0.2	0.8	0.8	0.8
14th	2.2	-4.3	-0.3	0	-1	2.6	-0.7	2.9	0.4	-1.9
15th	3.7	-3.1	0.7	-1.6	-1.3	1.8	-1.6	2.5	1	-2.7
16th	-1.5	1	0.5	0.4	0.2	-0.5	-0.3	-1	0.8	0.3
17th	-1	-2.5	-0.2	0.2	0.6	0.8	0.6	0.2	0.1	1
18th	0.4	-1	0.5	0.4	-0.3	0.7	-0.4	0	-0.2	0.9
19th	-0.1	-1	0.2	0.3	0	0.4	-0.3	-0.3	-0.3	0.6
20th	3.8	-1.2	0.1	0.3	-1.6	1.5	0.3	-0.4	-1.9	1.4

RUN 23 PT 11

V/OR = 0.199 ALFS,U =-10.00 CLRH/S = 0.108330 CTH/S = 0.109954
VKTS = 80.2 MTIP = 0.608 CXRH/S = 0.018827 CP/S = 0.008087

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	145.2		765		336.1		1434		-189.9	
RMS	479		402.8		465.3		391.6		243.5	
1/2 P-P	719.6		755.5		923.7		820.1		405.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	159.3	642.5	63.8	509.7	-9.9	560.6	-56.5	423.7	121.7	294
2nd	55.8	-14.2	39.5	-43.4	60.4	-52	91.5	-46.4	82.8	81.3
3rd	60.1	28.3	0.3	-11.7	-25.6	-44.7	-44.6	-61	4.7	29.4
4th	11.5	70.3	6.5	157.2	-3.6	222.3	0.7	219.5	30	-31.8
5th	-19.9	-85.8	-106.3	-136.4	-157.1	-182	-169.3	-168.8	-31.3	-6
6th	7.1	-0.1	-4.4	9	-14.8	11.1	-19.1	3.1	-6	-3.5
7th	-12.2	-11.6	-16	-8.4	-7.9	-3.9	15.1	7.9	-5.6	2.2
8th	6.2	-1.4	14.7	-2.5	8.5	3.4	-7.8	7.2	-5	1.1
9th	-7	2.9	-4.1	4.9	0.4	3.1	6.5	-1.9	3.1	2.2
10th	11	2.2	-0.1	-4.9	2.2	0.7	1.1	5.6	1.7	3.1
11th	4.7	6.9	8	6.2	2.2	1	-4.9	-2.5	0.7	-4.5
12th	-7	22.6	-2.8	27.9	-0.8	18.4	2.4	-9.8	4	0.5
13th	-1.6	1.6	-1.9	2.5	-3.1	2.3	-0.5	1.3	1.6	1
14th	2.1	-1.1	0.8	5.4	1.7	-1.6	-2.8	2.9	7.8	-5.3
15th	2.2	1	2.6	6	6.6	-1.7	-1.5	1.2	2.6	5.5
16th	1.2	-0.1	11.7	-4.1	14.6	-2.2	4.7	-0.6	0.7	0.4
17th	0.1	-0.7	0.9	1.3	-1.2	-0.8	0.6	2.1	0.4	0
18th	-1.1	-1.4	1.2	-0.4	4.3	-1.9	1.2	1.6	0.6	-2.1
19th	-2	0.7	-0.1	-0.9	1.3	-3.6	0.3	-0.5	0.4	-1.3
20th	-1.2	-13.6	0.6	6.1	16	14	5.1	16.9	2.9	1.6

RUN 23   PT 12

V/OR = 0.201   ALFS,U =-10.00   CLRH/S = 0.114081   CTH/S = 0.115883
VKTS = 80.2   MTIP = 0.605   CXRH/S = 0.020357   CP/S = 0.008886

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	277.7		100.4		104.8		-33.2		22	
RMS	94.4		49.1		53.9		97.5		37.8	
1/2 P-P	152		102.4		102.2		188.7		80.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	72.3	80.9	46.8	-1.3	38.5	-48.6	-0.8	-83.8	-17.4	-34
2nd	41.3	31.3	14.7	17.6	2.3	13.6	-69.7	-29.2	-27.6	-4.3
3rd	-12	32.9	-18.1	24.3	-26.2	22.4	-42.5	60.8	-13.1	2.2
4th	17.6	-26.3	7.8	-19.5	4.2	-14.5	-14.7	9.7	12.2	10.1
5th	-10.7	13.6	-8.6	15	-9.8	12.3	15.7	-11.5	5.2	-0.9
6th	-2.7	-13.5	-4.2	-7	-3.4	-2.6	4.9	2.2	-5.6	-7.8
7th	14.8	12.4	12.1	7.6	5.5	4.1	-0.2	-1.5	2.2	-1.4
8th	-16	-2.2	-11.1	1.4	-4	0.9	-3.5	-1.3	0.6	3.6
9th	1.4	-0.6	0.8	-0.4	0	0.1	1.3	-0.5	-0.6	3.3
10th	4.2	8.5	3.7	4.3	-0.5	0.2	3	3.1	-3.6	-2.9
11th	0.2	-2.4	-0.3	-0.5	-0.3	0.9	-0.5	0.2	-0.2	-1.9
12th	-0.2	3.6	0.3	2.6	-0.5	-0.2	-0.1	1.2	0.8	-0.4
13th	-1.8	0.4	-0.8	0.8	-0.1	0.1	-0.3	0.5	0.4	1.1
14th	1.1	-5.2	-0.5	-0.2	-0.4	2.6	0	2.8	-0.2	-2
15th	2.5	-1.9	0.8	-1.2	-0.9	0.9	-1.3	1.5	1	-1.9
16th	-1.3	-0.9	0	-0.1	0.6	0.1	0.5	-0.3	0.5	0
17th	-0.4	-2.7	-0.4	-0.2	0.5	1	0.6	0.6	-0.2	0.5
18th	0.4	-0.7	0.4	0.3	-0.3	0.4	-0.3	-0.2	-0.2	0.6
19th	-0.5	-0.8	0	0.2	0	0.1	-0.3	-0.3	-0.1	0.2
20th	3.4	-0.6	0.1	-0.2	-1.5	1.3	0	-0.2	-1.6	1

RUN 23 PT 12

V/OR = 0.201
VKTS = 80.2

ALFS,U = -10.00
MTIP = 0.605

CLRH/S = 0.114081
CXRH/S = 0.020357

CTH/S = 0.115883
CP/S = 0.008886

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	161.6		764.9		332.1		1419.5		-201.5	
RMS	483.6		402.2		466.9		389.9		265.7	
1/2 P-P	713.2		744.5		909.1		811		446.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	153.8	650.8	52.2	516.7	-21.6	573.9	-63.2	434.1	121.2	322.4
2nd	53.3	-8.5	37.9	-42.3	61.7	-50.6	97.7	-43.6	88.1	99.9
3rd	72.2	22.9	9.6	-26.1	-16.4	-64.2	-37.2	-78.7	7.6	33.2
4th	18.8	65.1	16.3	151.2	7.9	215.3	12.7	211.6	35.4	-33.7
5th	-9.7	-84	-88.8	-126.8	-134.1	-167.7	-150.6	-150.1	-32.1	-14.6
6th	6.5	-1.2	-3.9	17.2	-12.5	23	-15	15.2	-5	-6.3
7th	-9.7	-15.2	-18.2	-9.5	-11	-3.7	12.5	11.2	-5.3	1.9
8th	4.2	-5.1	12.6	-1.5	8.2	4.1	-4.4	8.6	-5.9	-2
9th	-11.4	-1.3	-7.2	3.3	0.1	2.6	10.6	1.1	0.7	1.6
10th	5.2	-2.5	-3	-7.3	0.5	-0.9	3.6	7.3	-1.6	1.4
11th	-4.2	2.9	-2.9	4.8	-0.9	0.1	1.5	-1.5	1.5	-3.9
12th	2.4	23	9.4	24.1	6.5	16.8	-2.3	-8.7	3.6	0.4
13th	-3.2	-0.8	-5.1	-1	-5.1	-0.7	0.5	1.9	0.8	0.1
14th	0.9	-1.9	1.7	4.4	1.1	-2.6	-1.9	2.7	5.6	-7
15th	1.7	1.4	1	4	3.6	-0.5	-1.1	0	-0.3	4.8
16th	1.5	-0.4	12.5	-4.2	13.5	-5.1	4.6	-0.4	1.3	0.5
17th	-0.1	-0.3	0.6	1.9	-1.4	-1.6	-0.3	1.7	0.7	-0.1
18th	-1	-0.6	0.1	-2	2.9	-3.8	0.2	-0.1	1	-0.8
19th	-1.6	0.7	-0.7	-0.6	-0.5	-2.3	-0.1	-0.6	-0.1	-0.1
20th	-5.2	-12.4	1.1	4.6	19.3	9.6	7.3	12.8	0.2	0.1

D-300

RUN 23   PT 13

V/OR = 0.201   ALFS,U = -10.00   CLRH/S = 0.118494   CTH/S = 0.120308
VKTS = 80.2   MTIP = 0.604   CXRH/S = 0.020810   CP/S = 0.009582

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	290.1		109.1		108		-32.1		22.8	
RMS	99		52.1		56.4		100.3		41	
1/2 P-P	177.4		116.1		109.8		195.8		88.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	72.1	84.6	47.2	-0.7	40.6	-48.2	-7.1	-85.4	-17.2	-39.7
2nd	41.5	37.2	14.6	20.4	2.2	14.8	-67.5	-29.7	-26.5	-6.4
3rd	-12.2	36.3	-19.1	27.2	-28.1	25.1	-43.2	67.3	-13.7	3.1
4th	20.2	-32	10.4	-24.5	7.4	-18.4	-14.7	12.4	11.7	12.8
5th	-15.7	3.5	-13.2	8.4	-12.1	8.3	20	-7.2	6.2	-0.7
6th	3.2	-20.2	1.3	-14.4	1.5	-7.6	1.7	6	-5.2	-9.3
7th	11.4	12.4	10.2	6.5	4.9	2.7	-0.7	-0.7	1.1	-2
8th	-4.2	-8.9	-4.4	-5.5	-2.3	-1.8	-1	-2.4	1.4	3.1
9th	4.4	-2.9	1.1	-2.5	-1.5	-0.4	2.3	-1.4	-2.1	3.7
10th	-0.5	5.6	0.6	3.5	-0.2	-0.1	0.8	2.7	-2	-2.9
11th	-9	-6.2	-6.4	-0.5	-0.1	2.3	-4.2	0.6	3	-2.1
12th	-2.8	1.1	-1.1	2	0.1	0.2	-0.3	1.4	1.1	-0.4
13th	-2.5	0	-1.7	1.3	-0.1	0.4	-0.4	0.7	0.3	0.5
14th	2.9	-5.7	0	0	-0.7	3	-0.6	3.2	0	-2.8
15th	6.5	-0.5	2.1	-1.4	-2.5	0.5	-3.2	1.2	2.6	-1.8
16th	-0.2	-1.9	0.5	-0.8	0.3	0.3	0.1	0.4	0.9	-0.4
17th	1	-2.6	-0.1	-0.3	-0.3	1	0.1	0.8	-0.3	0.7
18th	0.5	-1.4	0.2	0.2	-0.3	0.7	-0.2	0	-0.6	0.6
19th	-0.4	-0.3	0	0.4	0.1	-0.4	-0.1	-0.6	-0.2	-0.1
20th	1.7	-0.7	-0.1	-0.2	-0.8	0.9	-0.1	0	-0.4	0.6

D-301

RUN 23   PT 13

V/OR = 0.201
VKTS = 80.2

ALFS,U =-10.00
MTIP = 0.604

CLRH/S = 0.118494
CXRH/S = 0.020810

CTH/S = 0.120308
CP/S = 0.009582

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	178.9		775.3		342.4		1433.2		-218.4	
RMS	490.5		397.9		454.6		367.7		290.7	
1/2 P-P	716.9		707.6		877.7		797.5		555.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	182.8	655.9	73.6	517	-4.9	574.9	-50.1	426.4	121.7	351
2nd	38.9	-15.5	24.6	-53.1	51.6	-61	91.9	-54.2	95.2	121.9
3rd	75.1	10.5	6.5	-37.4	-21.7	-77.6	-45.9	-88.9	12.6	27.4
4th	20	68.2	36.7	160.5	39.5	229.2	52.6	221.9	28.1	-43.8
5th	14.6	-54.5	-21.7	-72.9	-41.8	-93.9	-54.8	-78.8	-43.5	-24.8
6th	-0.4	7.3	-4.9	29.3	-15.5	39.3	-8.7	20.1	-25	10.3
7th	-10	-13.1	-19.3	-14.7	-13.7	-9.9	7.2	2.1	-5.6	13.5
8th	-0.5	0.2	-0.9	9	-0.9	9.6	-2.3	0.1	5.9	-0.8
9th	-5.4	8.3	-4.5	15.4	1.3	12	6.3	4.4	3.4	-0.3
10th	12.9	-6.2	9.4	-8.1	6.1	0.8	-0.9	11.3	-5.8	-0.7
11th	23.9	18.8	35.3	10.8	13.2	-0.2	-19.7	-9.7	1.3	-4
12th	24.4	24.1	36.1	18	19.3	11.1	-15.5	-8.9	2.8	0.7
13th	-1.5	0.6	-4.2	1	-6.4	1.3	-2.6	2.5	5	-2
14th	1.9	-2.7	2.7	3.6	4.2	-3.6	-2.5	5.3	8.8	-11.4
15th	1.3	1.2	-1.7	5.6	8.8	1.4	-0.3	0	0.5	6.3
16th	0.9	-0.1	8.1	-8	9.9	-11.7	3.9	-3.1	-2.2	1.9
17th	0.3	-0.9	-0.5	2	0.2	-1.1	-1	1.8	0.3	0.2
18th	0.4	0.4	-2.2	-1.2	-3	-3.4	-2.9	0.1	1.6	-1.6
19th	-1.9	-0.3	0.2	-1.1	1.3	-1.2	0.8	-1.1	-0.7	-1.2
20th	-11.8	-11.6	5.1	2.4	26.3	3.6	16	6.8	-0.2	1.4

D-302

RUN 23   PT 14

V/OR = 0.201   ALFS,U = -10.02   CLRH/S = 0.078435   CTH/S = 0.079573
VKTS = 80.1   MTIP = 0.605   CXRH/S = 0.013417   CP/S = 0.005334

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	187.7		40.2		63.6		-41		9.3	
RMS	54.8		27.9		40		74.1		25.4	
1/2 P-P	101.8		65.5		74.9		139		55.6	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	39	52.8	28	-7	26.7	-43.9	7.6	-69.3	-13.5	-21.6
2nd	22.9	13.8	7.1	10.8	-1	12	-53.6	1.3	-19.1	3.6
3rd	-6.7	15.6	-4.7	12.8	-6.6	14.8	-12.4	53.3	-7.6	7.2
4th	1.6	-11.5	0.4	-9.7	-0.3	-8	-6.3	10	7.7	5.2
5th	-1.8	8.5	3.1	7.6	3.4	6.2	0.2	-7.2	1	-1
6th	-10.9	4.8	-6.2	3.2	-2.5	0.5	3.2	-0.7	-5.3	-1.8
7th	7.3	4.5	6.1	1.9	3.2	0.6	-0.9	-1.1	0.2	-0.9
8th	-12.6	5.4	-7.7	4.5	-2.7	0.6	-2.7	0.4	1.4	1.3
9th	0.2	0.4	-0.3	-0.1	-0.4	-0.1	0.6	-0.8	0.9	1.4
10th	5.5	2.1	3.6	0.1	0.1	0.1	3	-0.3	-2.8	0
11th	-4	2.2	-1.7	1.6	0.4	0	-0.5	1.2	-0.8	-1.4
12th	2.9	2.9	2	0.7	-0.5	-0.1	0.6	0.3	0.1	-0.4
13th	-0.9	2.8	-0.3	0.8	0	-0.5	0.1	0	0.7	0.5
14th	-2	0.2	-0.9	0.5	0.6	0.2	0.7	0.6	-0.7	-0.3
15th	0	-1.2	-0.6	-0.7	0.2	0.9	0.1	1.3	-1.1	-1.2
16th	0.9	1.9	0.6	-0.1	-0.6	-0.2	-1.1	0.2	0.8	-0.4
17th	-2.3	0.6	-0.6	0.3	0.9	-0.3	0.7	-0.4	0.3	0.2
18th	-0.6	0.7	-0.1	0.2	0.2	0	-0.1	0	0.3	0.4
19th	-0.5	1.4	0	0.1	-0.2	-0.3	-0.2	0	-0.2	-0.2
20th	0.4	-0.1	-0.1	0.3	-0.3	0.7	-0.1	-0.3	-0.6	0.9

D-303

RUN 23   PT 14

V/OR = 0.201   ALFS,U = -10.02   CLRH/S = 0.078435   CTH/S = 0.079573
VKTS = 80.1   MTIP = 0.605   CXRH/S = 0.013417   CP/S = 0.005334

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	86.5		748.8		351.8		1414.5		-134.3	
RMS	405.2		320.2		348.5		279.6		168.6	
1/2 P-P	597.1		571.7		669.9		561.3		282.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	118.2	552.8	51.8	429.7	-11.1	458.8	-53.9	347.6	88.4	209
2nd	56.2	-11.9	39.6	-32.3	49	-49.3	63.7	-50	52.6	39.4
3rd	2	4.2	-28.4	0.9	-47.3	-11.4	-48.6	-22.1	-5	4.3
4th	-1.8	49.2	11.7	94.4	15	131.3	22.3	125.9	5	-15.7
5th	-27	-41.8	-43.6	-44.2	-56.5	-49.5	-47.1	-41.5	-21.2	1.7
6th	-9.6	14.9	2.3	-9.5	5.1	-23.8	6.2	-36.2	-10.8	4.5
7th	-12.1	-5.4	-8.6	-1.9	-0.5	1.3	14.8	2.4	-1.7	4.1
8th	-0.5	7.9	9	-1.1	5.1	-2.5	-6.4	-5.4	-4.2	-0.7
9th	5.4	1.6	3.6	0.7	1.2	0.8	-2.3	-1.5	2.7	-0.7
10th	-0.1	-1.5	-4.2	-0.7	-0.8	0.2	4.3	0.9	-0.5	1
11th	14.9	7.9	17.4	1.6	5.7	1.8	-9.6	-1.9	-1.6	-1.6
12th	-3.3	5.3	-4.5	6.1	-0.3	3.5	3.5	-2.7	0.5	-0.4
13th	-7.2	3	-10.1	7.1	-8.9	7	3.2	-1.7	-2.1	1.4
14th	-0.1	-0.6	0.1	1	-2.7	1	0.3	0.8	-0.5	-2.2
15th	1.2	0.4	-3.3	5.4	-6.5	1.6	-1	0.5	0.6	1.2
16th	0.6	0.7	4.5	-0.6	8	-0.8	1.7	-0.8	-0.2	2.1
17th	3.4	-0.8	-0.8	0.7	-6.3	3.1	-0.4	0.8	-0.8	1.7
18th	1.9	-1.3	-0.5	0.2	-2.6	1.9	-0.4	1.2	-1.6	-0.8
19th	2.2	1	-1.8	-0.8	-3.9	-0.1	-3.2	-0.9	-0.2	-0.4
20th	8.4	-10.4	-1.9	5.2	-2.8	19.6	-3.8	17	1.3	0.3

D-304

RUN 25   PT 5

V/OR = 0.200   ALFS,U = -2.00   CLRH/S = 0.040786   CTH/S = 0.040783
VKTS = 79.8   MTIP = 0.607   CXRH/S = 0.000631   CP/S = 0.001580

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	114.7		-32.4		-5.5		-65		-7.5	
RMS	26.5		30.7		41.4		59.9		17	
1/2 P-P	72.8		64.9		71.4		108.1		43.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	7.4	-4	12	-28.2	18.3	-46.2	31	-57.8	2	-15.5
2nd	-7.9	6.3	-12.2	13.1	-17.2	20.5	-35.5	31.7	-7	8.3
3rd	11.8	-9.5	9.5	-11.9	8.1	-8.1	4.3	18.6	-0.8	5.2
4th	0.5	-2.9	0.2	-3.9	-1.6	-2.7	2.8	5.5	3.1	1.3
5th	6.5	0.4	6.1	-0.7	4.4	0.2	-5.3	-2.2	-0.1	-1.9
6th	2.9	4.3	2.6	2.2	1.3	1.7	0.2	-4.9	-2.2	0.2
7th	4.8	1.9	4.1	0	2.1	-0.3	-1.1	-1	0.4	1
8th	2.7	11.5	3.7	7.2	1.6	1.9	-1	2	3.2	-0.3
9th	2.4	2.9	2	1	0.8	-0.2	0.3	0	1.6	-2.3
10th	1.8	-2.6	0.7	-2.2	0.5	-0.7	0.5	-3.1	-0.5	2
11th	-14	-18.1	-10.1	-7.5	2.1	1.3	-6.1	-6.2	4.4	7
12th	2.7	-11.2	-0.7	-6	0	1.8	-0.7	-3	1.1	1.8
13th	0.9	-4.3	-0.8	-2.1	0.4	0.5	-0.2	-0.6	-0.2	-1.4
14th	-2.4	3.7	-0.2	1.3	1.5	-2	1.1	-2.3	-1.7	1.5
15th	-6.2	7.7	-0.4	3.3	2.3	-3.7	1.7	-4.9	-1.2	5.3
16th	-0.9	-1	-0.4	-0.5	0.9	-0.3	0.3	0.4	0.6	0.2
17th	3.4	2.6	0.9	-0.6	-1.3	-1.1	-2.1	0.6	1.1	-1.7
18th	1.9	2.5	0	-0.2	-0.9	-1	-0.5	0.6	-1	-1.9
19th	-0.9	-1	-0.7	-0.1	1.1	0	0.6	0.5	0.5	-0.3
20th	2.2	-6.4	-1	0.5	1	3.2	0.4	0	1.3	4.3

D-305

RUN 25　　PT 5

V/OR = 0.200　　ALFS,U = -2.00　　CLRH/S = 0.040786　　CTH/S = 0.040783
VKTS = 79.8　　MTIP = 0.607　　CXRH/S = 0.000631　　CP/S = 0.001580

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-36.6		699.1		368.5		1403.5		-9.1	
RMS	118.5		118.4		167.1		155.2		57.1	
1/2 P-P	218.7		237.2		313.7		303.7		113.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-71.8	135.1	-80.5	117.6	-113.7	168.6	-122.1	140.2	21.9	72
2nd	22.6	-39.9	31.7	-44.4	59.7	-76.9	64.7	-76.1	5.2	-1.5
3rd	-2	22.3	-14.7	36.3	-22.6	41.3	-18.3	21.5	19	-5.6
4th	2.5	1.1	6.6	8.9	11.5	13.9	14.5	6.3	-9.6	-4.2
5th	-14.2	2.3	-11.4	18.5	-10.8	27.2	-2.2	24.1	-7.1	-1.5
6th	0.3	-1.3	-8.6	-1.1	-13.6	-0.1	-14.2	-2.7	-3.8	4.5
7th	-9.6	-0.2	-3.6	-1.6	3.9	-2.3	13.9	-7	-0.9	1.8
8th	-3.1	-1.8	-3.6	-8.6	-0.6	-4.3	4.7	2.3	-1	2.5
9th	-1.3	-3.7	-2.5	-4.4	0	-0.2	2.4	0	0.8	-0.3
10th	1.9	4.4	2.1	4.6	0.5	0.8	-0.6	-7.7	-1.2	0.2
11th	8.7	9.7	25.3	16.6	1	1.2	-16.7	-15.6	-2.3	-1.4
12th	-1.9	2.8	0.3	12.4	-1.4	-0.5	-0.5	-8.8	2.4	0.2
13th	-5.1	1.6	-6.1	8.7	-7.3	3.2	2.3	-4.3	-0.3	-0.9
14th	-0.6	0.3	2.6	-1.7	-1.8	6.4	2	-2.3	-4.2	0.2
15th	-0.4	-1.4	-0.3	-4.6	-6.2	12.4	2.9	-2.4	-5.3	-5.2
16th	0.4	-0.3	1.8	1.4	-2.4	2.4	1.5	-1.6	-2.6	1.9
17th	-0.3	-0.8	-2.4	-0.5	3.6	2.9	-1.2	-3.2	-2.7	1.2
18th	0.1	-1.4	-0.6	-0.6	2	3.9	-1.6	-2.7	0.6	1.8
19th	-0.8	-0.5	2.5	-0.2	-1.1	0.1	3.6	-1	0.9	-0.9
20th	0.8	2.3	1.5	1.6	-5.8	-8.3	0.4	5.5	4.6	-1.1

D-306

RUN 25   PT 6

V/OR = 0.200 ALFS,U = -2.00 CLRH/S = 0.049284 CTH/S = 0.049286
VKTS = 79.8   MTIP = 0.606   CXRH/S = 0.000918 CP/S = 0.001789

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	127.1		-22.5		2		-66.3		-7.3	
RMS	29.9		30.7		42		63.8		19.6	
1/2 P-P	84		65.1		72.2		117.5		53.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	4.6	2.3	11.1	-26.9	18.5	-47.5	28	-59.7	-0.4	-16.2
2nd	-3	7.9	-10.5	13.4	-17	20.3	-42.9	28.4	-9.2	8
3rd	11.4	-7.9	8.8	-8.6	7	-3.9	4	27.9	-1.2	7
4th	-2.1	-4.9	-1.9	-5.5	-3.1	-4	2.4	7.2	4.8	1.8
5th	5.7	4	5.9	2.5	4	3.4	-4.4	-5.8	0.4	-3.1
6th	2.2	4.4	2.2	2.8	1	2.3	1.3	-5.3	-3.2	0.3
7th	5.1	4.4	5	1.9	3.2	0.7	-1.5	-1	0.9	1.9
8th	3	15	4.1	9.7	1.8	3	-1.5	2.5	4.5	0.4
9th	4.3	4.2	3.4	1.6	0.9	0	0.8	0.1	1.7	-2.3
10th	3.3	-2.6	2	-3	0.7	-0.9	1.7	-3.7	-2.3	2.6
11th	-11.5	-24.9	-10.2	-11.5	1.6	2.1	-5.7	-8.6	3.3	9.3
12th	8	-12.1	1.4	-7.3	-1	2.5	-0.1	-2.9	1	1.9
13th	2.1	-4	-0.3	-2.4	0	0.6	-0.7	0.2	0.5	-2.4
14th	-3.8	4.9	-0.7	1.7	1.6	-2.3	1.3	-2.3	-2.3	1.4
15th	-8.6	6.9	-1.1	3.9	3.1	-3.3	2.9	-5.2	-2.5	6.1
16th	1.1	-2.1	0.3	-1.4	0.4	0.5	-0.5	0.8	1.4	0.8
17th	4.1	4.9	1.3	-0.3	-1.8	-1.8	-2.8	-0.2	1.8	-1.1
18th	2.2	4.1	0.2	-0.4	-1.2	-1.5	-0.7	0.5	-1.4	-2.5
19th	-1.1	-1.5	-0.7	-0.5	1.3	0.4	0.8	0.5	-0.1	-0.2
20th	6.8	-7.5	-1.4	-0.1	-0.6	5.3	0.7	0.2	-0.9	6.5

D-307

RUN 25 PT 6

V/OR = 0.200	ALFS,U = -2.00	CLRH/S = 0.049284	CTH/S = 0.049286
VKTS = 79.8	MTIP = 0.606	CXRH/S = 0.000918	CP/S = 0.001789

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-69.9		663.7		342		1386.3		-30.3	
RMS	211.7		186.3		224.1		194.7		80	
1/2 P-P	347.5		312.4		383.8		386.6		148.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-119	264.7	-116	215.4	-144.2	249.5	-142.7	192.6	29.1	100.2
2nd	53.8	-27.2	55.7	-38.7	81.9	-72.9	82.9	-74.7	20.8	1.9
3rd	18.8	6.5	1.8	22	-7.6	23.4	-7.3	6.8	16.2	-17
4th	0.2	4.8	7.2	18.8	12.2	27.6	14.7	19.3	-18.3	-8.2
5th	-14.9	1.3	-10.8	30.2	-9.3	48.2	-0.9	52	-11.1	4.3
6th	-3.1	-5.4	-7	1.5	-8	6.4	-5.9	5.9	-3.2	7.4
7th	-21.6	3.3	-6.7	-1.3	7.4	-5.3	25.2	-11.6	-1.8	3.1
8th	-1.9	-1.6	-3.1	-10.4	0.1	-6.9	3.2	2.9	0.8	3.5
9th	-3.9	-7.9	-5.2	-6.8	0.1	-1.8	5.4	1.8	0.8	-1
10th	-0.4	-0.9	-1.2	1.9	-0.7	0.4	3.6	-5.8	-3.1	2.5
11th	14.2	19.6	31.7	29.7	4.5	2.8	-19.5	-24.8	0.1	0.5
12th	1.7	1.4	-0.6	11.4	1.6	-3.7	0.2	-8.1	3	-0.4
13th	-10.1	0.6	-15.5	9.7	-11.7	2.8	4.6	-3.9	1	0.2
14th	-1.3	-0.8	-3.5	-3.7	-7.8	5.2	2.5	-2.1	-4.2	1.3
15th	-0.9	-2.2	4	-5.5	-5.8	11.5	2.9	-1.4	-1.9	-8.7
16th	-0.8	0.5	0.4	3.4	-1.3	1.3	1.8	-0.5	-6	3.9
17th	-1.1	-1.9	-1.6	-1.6	7.5	4.2	-0.7	-4.1	-3.5	3.4
18th	-1.5	-3.4	-0.2	1.4	5.7	7.7	-1.3	-1.6	0.1	4.6
19th	1.4	-1.1	2.5	2.2	-2.4	2	2.9	1.9	-0.9	1.5
20th	-2.7	3	1.8	3.7	1.6	-17.5	-0.6	7.3	7.1	0.1

D-308

RUN 25 PT 7

V/OR = 0.201 ALFS,U = -2.00 CLRH/S = 0.059178 CTH/S = 0.059193
VKTS = 79.8   MTIP = 0.604   CXRH/S = 0.001456   CP/S = 0.002112

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	143.3		-10		36.9		-67.4		-8.4	
RMS	39.7		32		42.2		69.6		23.6	
1/2 P-P	96.7		71.7		79.3		128.7		68.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	11.3	15.7	14.2	-22.8	19	-46.5	24.9	-62.5	-4.3	-16.2
2nd	1.1	10.3	-8.8	14.1	-17.5	19.2	-49.5	26.5	-11.2	8.8
3rd	7.7	-6.8	6.9	-5.5	5.8	-0.3	4.4	38	-1.9	8.8
4th	-4.6	-6	-4.6	-6.1	-5.4	-4.4	2.9	8	6.9	1.8
5th	3.5	5.8	4.2	5.7	2.3	7.1	-2.8	-9.9	0.7	-4.8
6th	0.6	3.3	1.2	2.8	0.5	2.1	2.6	-5.5	-4.5	0.1
7th	8.4	7.8	7.5	3.5	4.9	1.2	-2.2	-0.6	1.7	2.8
8th	4.6	18.9	5.4	11.7	2	3.9	-2.3	2.7	6.6	1.1
9th	7.4	5.1	6.4	0.9	1.8	-0.7	1.2	0.1	2.6	-2.9
10th	7	-2.2	4.3	-3.8	0.9	-1.6	3.4	-4.3	-3.9	2.9
11th	-5.5	-35.1	-8.6	-17.6	1.3	3.5	-4.4	-12.6	1.7	12.9
12th	13.7	-13.6	3.6	-8.7	-2	3	0.4	-3.3	1.1	2.4
13th	4.3	-4.7	0.2	-2.7	-0.6	1.2	-0.8	1.1	1.3	-3.6
14th	-4.5	4.7	-1.2	2.5	1.8	-1.8	1.6	-1.7	-2.6	0.6
15th	-15.3	4.9	-3.4	4.8	5.9	-3.1	6.1	-6.1	-5.9	7
16th	1.6	-3.7	0	-1.8	0.5	1.2	-0.1	0.8	1.4	1.4
17th	3.7	6.7	1.5	-0.4	-2	-2.7	-2.9	-0.8	2.1	-1
18th	1.3	6.5	0.4	-0.4	-1.3	-2.8	-0.9	0.2	-1.5	-3.7
19th	-2	-1.8	-0.7	-0.5	1.8	0.5	0.7	0.7	-0.3	-0.7
20th	12.2	-7.4	-2	-0.7	-3.2	6.7	0.7	0.2	-4.2	7.3

D-309

RUN 25   PT 7

V/OR = 0.201
VKTS = 79.8

ALFS,U = -2.00
MTIP = 0.604

CLRH/S = 0.059178
CXRH/S = 0.001456

CTH/S = 0.059193
CP/S = 0.002112

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-40.5		671.7		341.9		1383.9		-51.6	
RMS	321.8		268.4		299.8		250		108.7	
1/2 P-P	516.3		459.7		512		485.8		201.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-120.1	431.1	-122.4	339.7	-153.7	356.4	-150.6	262.7	30.5	142.2
2nd	52.8	-31.2	55.1	-44.2	85.7	-75.4	89.9	-78.2	27.4	8.3
3rd	7.6	-39	-12.6	-17.5	-22.8	-16.7	-20.8	-25.8	11.5	-18
4th	4.3	11.1	15.7	31.2	23.8	45	24.3	34.9	-18.1	-9.8
5th	-8.6	3.9	10.5	57	22	93.9	32.3	106.3	-12	2.4
6th	2.6	-10.5	-8.7	8.1	-16	22.6	-18.4	25.1	-2.5	10.1
7th	-13.4	8.8	-6.8	0.6	0	-2.4	16.8	-8.6	0.5	6
8th	-0.9	6.4	-2.6	-8.9	0	-8.2	1.9	-1.2	2.1	4.9
9th	-20.5	9.3	-14.3	5.1	-0.9	-1	14.6	-12.1	-0.5	-2.2
10th	-10.9	5.6	-10.1	8.2	-1.2	2.9	12.8	-11.3	-3	2.4
11th	3.3	12.7	18.6	35.9	-0.3	0.5	-11	-30	1.6	-1.9
12th	-13.6	0.2	-21.1	18.5	-6.5	-2.6	8.6	-11.1	3.9	0.1
13th	-2.9	2.4	-3.7	13.1	-1.1	4.1	0.6	-4.8	4.8	-1.5
14th	-2.2	-1.9	-4.2	1.4	-9.4	10.9	2.5	-1.9	-1.6	-4.1
15th	0.9	-1.6	3.6	-5	-18.2	13.6	4.7	0.2	-5	-13.3
16th	0.9	-0.2	1.6	4	-1.3	-0.6	2.2	0.3	-5.4	5
17th	-0.4	-0.5	-5.6	-2.6	2	4.9	-2.2	-5.3	-7.6	4
18th	-3	-0.8	2.8	-2.5	11.2	4.3	1.2	-6.5	-0.7	5.4
19th	1.4	0.5	1.4	0.4	-6.9	-2	2.9	-0.4	-0.1	1.4
20th	-12.5	15.7	1.3	-1.6	7.5	-45.3	-4.4	-6	8.5	2.6

D-310

RUN 25   PT 8

V/OR = 0.200	ALFS,U = -2.00	CLRH/S = 0.070145 CTH/S = 0.070165
VKTS = 79.8	MTIP = 0.606	CXRH/S = 0.001775 CP/S = 0.002475

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	164		3.7		97.1		-69.1		-9.8	
RMS	54.4		37.9		58.7		76.7		29.8	
1/2 P-P	130.6		88.7		149		147.3		88.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	13.7	24.9	15.4	-21.2	19.8	-59	22.4	-66.2	-7.6	-18.1
2nd	5	12.7	-7.3	14.3	-22.5	12.4	-56.8	22.9	-14.4	8.5
3rd	2.4	-2.8	3.5	-1.6	-1.8	13.2	2.8	45.9	-2.9	9.8
4th	-5.8	-10.3	-6.4	-8.6	10.3	-8.6	1.6	9.2	8.7	2.2
5th	2.2	7	4.9	8.7	0.6	8.8	-3.8	-14.2	0.1	-6.4
6th	-5.2	3.8	-2.6	4.2	-8.3	3	4.7	-6.2	-6.4	0.2
7th	12.9	6.1	9.9	2.5	9	9.8	-2.2	-1.2	2.2	-3.6
8th	9.2	24.5	10	14.9	10.6	-1.5	-2.7	2.9	9.2	2.5
9th	7.8	9.1	8.2	1.7	1.7	-3.2	1.7	0.5	3.2	-3.7
10th	9.4	-2.9	5.8	-4.9	-0.9	1.5	5.4	-5.6	-6	3.3
11th	9.3	-53.5	-3.6	-29.9	0.5	10.2	-1	-20	-1.6	18.9
12th	19.6	-10.9	6.4	-8.7	-2.9	0.3	0.9	-2.6	1.3	2.4
13th	4.7	-3.1	0.7	-2.4	-2.9	0.4	-1.5	1.8	2.4	-4.4
14th	-10.4	2.6	-2	2.5	5.2	1.4	3.6	-1.9	-4.8	-0.2
15th	-18.6	2.6	-5.1	5.3	4.9	-4.3	7.7	-6.5	-7.7	7.6
16th	3.1	-2.1	1	-1.6	0.6	0.2	-1.1	0	2.2	3
17th	1.4	9.9	1.5	0.4	-0.9	-2.6	-2.3	-1.7	2	-0.1
18th	-2	8.5	0.4	0.1	1.5	-6.2	-0.6	0.2	-1.7	-4.9
19th	-4.6	-3	-0.5	-0.4	-0.7	1.8	0.2	1	0.1	-0.8
20th	18.4	-3.2	-2.2	-1.2	-8.7	7.8	0.9	0	-8.9	7.7

D-311

RUN 25 PT 8

V/OR = 0.200 ALFS,U = -2.00 CLRH/S = 0.070145 CTH/S = 0.070165
VKTS = 79.8 MTIP = 0.606 CXRH/S = 0.001775 CP/S = 0.002475

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-27.5		676.5		340.1		1398.1		-70.5	
RMS	356.6		294.8		324.3		274.5		131.1	
1/2 P-P	584.1		577.2		621.8		551.3		229.6	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-28.1	495.5	-57.5	386.9	-104.6	402.9	-121.8	293.5	49.2	168.3
2nd	40.8	-12	45.9	-32.9	82.4	-66.7	92	-76.6	39.8	16.8
3rd	-25.5	-51.4	-45.2	-30.2	-53.7	-35.7	-45.5	-43.6	6.9	-16
4th	14.7	9.2	26.6	37.6	35.7	56.7	33	45.6	-12	-17.7
5th	-6.1	-10.1	36.7	56.1	65.8	101.2	83.7	121.4	-14.1	-1.7
6th	-5.6	-10.5	-3.1	7.8	-2.6	23.2	-2.4	26	-2.3	6.9
7th	-6.3	1.2	-5.7	1.8	-2.3	4.1	16.2	0.7	2	3.7
8th	-3.5	-3.4	-7.5	-15.5	-2.6	-9.6	7.6	5.8	2.3	5.3
9th	-3.7	30	-3.7	12.9	-2.1	0.2	4.1	-24.5	-1.9	-0.8
10th	-3.3	15.8	-5	14.7	0.6	4	13.1	-19.6	-3	5
11th	-28.1	29.1	-11.6	73.5	-10.5	5.9	10.3	-54.4	-0.2	-1.7
12th	-11.5	5.4	-22.2	22.3	-2.6	-0.6	7.8	-11.6	4.8	3.7
13th	-0.6	-8.3	-6.4	-5.8	-2.3	-8.7	0.1	0.9	6.8	0.8
14th	-0.6	-2.1	8.7	-6	-5.1	4.2	3.2	-0.4	-9.2	-10.2
15th	2.1	-3.5	7.5	-7.7	-20.4	11.6	4.8	1.9	2.9	-13
16th	0.1	-0.9	-2.9	-1.6	-3.8	-6.3	2.2	-0.5	-9.9	1.4
17th	1.3	-2.3	-2.7	-1.9	2.9	13.1	-1.4	-4.6	-6.3	4.5
18th	1.5	-3.4	-1.6	-2.4	1	11.3	-1.5	-7.1	-3	5.3
19th	1.8	-3.9	3.5	3.9	-5.9	5.8	6.9	4.9	-0.5	1.2
20th	0.8	-1.7	-4.4	8.7	12.4	-12.2	-18.2	18	11.5	5.7

D-312

RUN 25　　PT 9

V/OR = 0.201　　ALFS,U = -2.00　　CLRH/S = 0.079620　　CTH/S = 0.079651
VKTS = 79.8　　MTIP = 0.605　　CXRH/S = 0.002262　　CP/S = 0.002884

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	182.1		17.5		197.8		-70.3		-8.2	
RMS	66.4		42.1		64.3		82.4		33.8	
1/2 P-P	149.9		98.2		182.4		161.2		102.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	19.6	36	18	-17.9	31.9	-55.3	20.4	-70.3	-10.7	-20.1
2nd	9.7	16.2	-5.2	14.7	-26.5	22.7	-62.2	18.2	-16.3	7.6
3rd	-3.6	2.1	-1.2	2.8	4.9	9.1	-0.5	53.1	-4.5	10.7
4th	-8.8	-13.8	-9.1	-10.6	-4.1	-4.6	1.4	11	10.1	3.1
5th	0.3	6.1	3.8	8.4	2.1	10.6	-2.9	-14.2	0.2	-6.6
6th	-11.2	4.8	-6.1	6.5	-7.2	3.1	5.6	-6.6	-8.2	-0.1
7th	11.4	4.2	9.1	2.1	6.5	4.6	-2.3	-1.8	1.7	4.6
8th	10.1	30.7	11.7	19.4	8.7	9.5	-3.5	3.2	11.2	4.7
9th	7.9	13.4	9.6	4	0.1	-3.6	1.9	1.2	3.9	-4.1
10th	10.8	-1.3	7	-4.3	4.5	-0.4	7	-5.3	-7.8	2.7
11th	18.9	-61.3	0	-35.9	-8	8.1	1.7	-23.4	-4.7	21.1
12th	23.8	-7.3	8.4	-7.4	-4.9	4	1.3	-1.6	1.4	2.3
13th	6.2	-1.9	0.8	-2.1	-0.1	-0.2	-2.9	2.4	4.2	-4.6
14th	-11.5	1.7	-3.2	2.6	2.9	-4.5	3.1	-1.4	-4.8	-1
15th	-16.8	-2.1	-6	3.9	6.7	-2.4	8.2	-4.6	-8.2	5.8
16th	4.6	-2.2	1.5	-1.7	-1.6	3.7	-0.9	-0.5	2.1	3.9
17th	-0.7	11.5	1.1	1.2	1.1	-6.1	-1.6	-2.7	1.7	1.1
18th	-5	9.3	0.5	0.3	-2.8	-7.6	-0.7	0	-0.9	-5.7
19th	-5.6	-4.2	-0.2	-0.4	2.5	-1.8	-0.4	1	0.6	-1.6
20th	23.7	-1.2	-1.8	-1.6	-12.4	8.5	0.9	-0.5	-12.1	7

RUN 25   PT 9

V/OR = 0.201   ALFS,U = -2.00   CLRH/S = 0.079620   CTH/S = 0.079651
VKTS = 79.8   MTIP = 0.605   CXRH/S = 0.002262   CP/S = 0.002884

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-4.4		677		338.2		1395.2		-74.6	
RMS	383.8		316.3		342.2		281.2		153.5	
1/2 P-P	595.2		568.3		616.1		523.5		281.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-16	532.3	-53.9	413.9	-102.9	433.3	-120.8	314.5	55.2	196.5
2nd	59.6	-8.3	60	-34	97.4	-65.2	107.4	-77.6	47.8	30.9
3rd	-35	-22.2	-58.4	-7.6	-69	-20.8	-61.3	-34.3	3.3	-13
4th	-4.6	15.9	5.7	59.1	11.3	86.8	9	74.2	-13.6	-24.9
5th	-25.2	-21.5	-8.2	35.8	1.9	71.1	15.3	88.3	-19.1	-4
6th	-20.6	-11.4	0.4	4.9	12	17.7	17.4	22.6	-8.6	2.1
7th	-14	-8.7	-8.2	1.3	-2.7	9.1	20.7	9.3	2.6	5.4
8th	-8.9	-9.3	-12.8	-20.5	-6	-12.5	7.4	10.9	2.4	5
9th	-5.3	20.8	-6.5	6.8	-3.9	0.6	4.9	-17.4	-0.9	-0.2
10th	9.7	6.4	1.7	5.9	2	2.7	9.9	-13.1	-6.5	4.5
11th	-20.4	50.7	-6	97.7	-5.1	11.1	10.4	-71.5	0.7	-2
12th	2.1	23	-6.3	34.7	9.6	7.5	0.6	-15.8	7.7	7.3
13th	-10.2	-5.1	-22.3	4	-12	-1.3	2.7	-1.1	5.3	4.3
14th	-0.8	-3.3	4.2	-7.5	-11	1.5	3	0.2	-4.8	-9.9
15th	3.2	-1.8	7.7	1.7	-21.7	13.9	4.1	3.6	7.7	-12.8
16th	-0.1	0.9	-1.7	0.4	-1.6	-6.4	2.4	1.5	-9.8	-0.2
17th	3.2	-3.2	-3.3	-2.4	-1.1	15.4	-1.7	-4.3	-4.7	1.9
18th	0.4	-3.7	0.5	-5.2	2.2	10.3	1.2	-8.9	-3.9	4.4
19th	3.7	-2.4	1.1	3.5	-11.8	5.2	5.4	5.1	-0.6	-0.4
20th	-13.5	-5.7	-1.1	7.3	41.1	-21.1	-8.7	14	11.9	7

RUN 25   PT 10

V/OR = 0.201   ALFS,U = -2.00   CLRH/S = 0.090666   CTH/S = 0.090703
VKTS = 79.8   MTIP = 0.605   CXRH/S = 0.002637   CP/S = 0.003379

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	203.3		32.6		198.1		-70.9		-3.8	
RMS	79.5		48.2		113.2		89.8		38.9	
1/2 P-P	190.2		110.4		403.9		184.6		113.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	24.7	42.6	20.1	-16.7	10.8	-63.2	18.3	-74.4	-13.5	-23.1
2nd	16.3	18.7	-2.8	15.1	-33.3	92.8	-69.3	13.4	-19.2	6.9
3rd	-4	7.4	-3.6	7.8	-6.6	7.3	-7.7	60.2	-6.3	11.5
4th	-8.2	-17.1	-9.9	-12.1	-22.6	-3.6	-0.1	11.6	11.7	3.8
5th	-2.6	5.9	1	9.9	-17.5	2.3	-0.5	-16.7	1.1	-7.7
6th	-16.3	5.2	-9.7	7.7	-10.2	14	7.2	-6.1	-9.9	-0.7
7th	11.7	2.3	8.4	1.5	14.2	-5.5	-1.9	-2.8	1.4	5.4
8th	6.7	39.4	10.9	26.1	-5.8	6	-4.8	3.6	12.5	7.8
9th	6	19	9.9	7.9	-5.9	5.5	1.5	2.3	5	-4.1
10th	11.8	-0.4	8.6	-3.1	10.2	-6.5	9	-4.9	-9.4	1.2
11th	40.5	-63.4	10.3	-40.4	-35.9	-39.3	8.7	-25.8	-11	21.9
12th	29.1	1.3	11.9	-4.5	-11.3	4.9	1.8	-0.2	1	2.6
13th	6.2	-0.3	1.5	-2.5	13.2	-10.5	-3.7	2	5.6	-3.8
14th	-12.2	-2.6	-4.5	1.3	14	0.5	3	-0.7	-4.3	-3
15th	-19.3	-10.1	-8.2	1.8	9	4.3	11.6	-2.6	-11.4	3.3
16th	5.9	-2.6	2	-2.3	2.1	16.1	-0.1	-0.1	0.5	4.8
17th	-4.8	12.4	1	2.1	5	-8.3	-0.6	-3.2	1.5	2.1
18th	-10	8.7	0.8	0.8	-8.3	-8.6	-1	0	0.9	-7.2
19th	-5.6	-6.9	0.2	-0.5	2.9	9.2	-1	1.1	1.4	-2.2
20th	24.7	7.8	-1.2	-2.2	4	-2.8	1.2	-0.5	-14.5	2.1

RUN 25   PT 10

V/OR = 0.201   ALFS,U = -2.00   CLRH/S = 0.090666   CTH/S = 0.090703
VKTS = 79.8   MTIP = 0.605   CXRH/S = 0.002637   CP/S = 0.003379

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	15.2		680.2		341.6		1399.7		-69	
RMS	407.2		340		376.1		316.4		176.9	
1/2 P-P	648.1		658.6		740.5		644.9		325.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	34.5	560.8	-20	435.2	-77.5	459.7	-103.8	331.7	68.4	221.1
2nd	82.2	-11.6	77.5	-40.7	118.2	-69.3	128.7	-83.5	61	43.3
3rd	0.7	-18.9	-35.1	-13.6	-49.6	-34.1	-50.5	-49	6.3	-11
4th	-2	34.7	8.8	93.1	12.5	131.5	8.3	116.7	-14	-33.7
5th	-38.5	-20.5	-51.3	68.2	-67.4	122.2	-63.7	148.3	-22.7	-5.2
6th	-19.9	-3.9	4	3.8	14	11.9	17.2	14.8	-15.4	2.4
7th	-11.7	-22.2	-8.1	2	-5	20	20.1	27.5	3.3	8.2
8th	-7.8	-9.3	-11.4	-25	-8.2	-14.9	3.4	15.7	1.5	8.5
9th	-1.6	11.6	-4.4	-0.9	-3.7	0.9	3.9	-9	-0.5	-3.1
10th	11.7	-8.7	-0.2	-4.1	2.2	0.5	15.3	-2.9	-6.5	2.1
11th	-31.5	59.9	-28.2	115.3	-5.7	13.3	29	-83.1	4.8	0.3
12th	16.8	12.3	-0.4	13	18.8	-1.1	-2	-6.7	9.7	9.3
13th	-2.2	-9.8	-13.7	-9.1	-4.6	-9.6	-0.9	1.2	2.8	5.8
14th	0.9	-3.3	4.6	-6.4	-13.8	-1.8	2.7	0.7	-1.3	-14.1
15th	3.7	-3	15.3	-2	-22.8	0	4.6	5.4	14	-10.7
16th	-1	1	-7.2	2.3	-7.2	-8.5	0.7	3.3	-14.5	0.6
17th	0.6	-3.8	1.1	-4.8	1.5	15.3	1.8	-5.5	-6.4	-1.8
18th	-1.8	-4.6	1.4	-4.5	-0.5	14.3	4.7	-10.3	-4.9	4.7
19th	-0.6	-0.5	2.3	1.7	-6.7	-3.1	9.6	3	-1.7	0.6
20th	-22.4	-9.9	-2.1	3.6	62	-15.6	-5.4	3.9	7.9	12.6

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RUN 25   PT 11

V/OR = 0.201   ALFS,U = -2.00   CLRH/S = 0.100567   CTH/S = 0.100619
VKTS = 79.9   MTIP = 0.604   CXRH/S = 0.003247   CP/S = 0.004013

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	227.1		48.6		145.8		-70.8		3.3	
RMS	92.8		54		94.6		96.7		43.6	
1/2 P-P	228.5		136.6		385.9		205.7		127	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	36.9	49.6	25.6	-14.4	29.2	-65.3	16.4	-76.7	-16.3	-25.8
2nd	26.2	22.7	1	15.8	-30	53.7	-76	7.5	-21.8	5.4
3rd	-3.2	12.4	-5.5	12.7	6.1	27.3	-13.9	68	-7.9	12.2
4th	-8.6	-20.1	-11.6	-13.9	-23.9	12.4	0.3	12.5	13.8	4.9
5th	-6.9	2.7	-5	9.4	-19.3	17.4	6	-17.9	3.7	-8.6
6th	-20.8	3.3	-13.5	7.6	-23.5	-1.8	9.5	-5.6	-10.9	-2.2
7th	14.4	1.9	9.9	1.5	8.1	8.1	-0.8	-3.5	0.9	6
8th	5.2	46.5	11.4	30.8	4.6	6.5	-5	3.8	13.2	10.9
9th	2.3	22.8	10	11	-15.5	6.9	0.6	3.5	6.6	-3.6
10th	11.5	-0.1	9.8	-2.2	7.5	-7.9	10.6	-3.7	-10.3	-0.8
11th	56.7	-57.7	19.8	-39.4	-25.3	-30	15.6	-24	-16.8	19.9
12th	31	8.2	13.7	-1.8	-9.1	2.9	2.1	1	0.4	2.7
13th	5	1.3	1.9	-2.1	9	-9.8	-4.8	1.5	7	-2.8
14th	-13.7	-7.9	-5.8	-0.1	8.6	-1.6	3.1	0	-3.4	-4.5
15th	-18.4	-18.9	-10.4	-1.6	25.5	1.4	13.2	0.7	-12.7	0
16th	8.8	-1.6	3	-2.7	1	6.4	-0.7	0.6	-0.4	5
17th	-9.8	11.8	0.7	2.5	8.5	2.8	0.3	-3.2	-0.2	2.9
18th	-16.7	5.4	0.4	1.7	7.7	-11.4	-1	-0.4	3.1	-7.2
19th	-7.7	-11.3	-0.1	-0.3	1.6	13.5	-1	0.5	4.3	-2.4
20th	21	21	-0.4	-3.5	6.7	0	1.8	0.3	-15.3	-6.8

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RUN 25   PT 11

V/OR = 0.201	ALFS,U = -2.00	CLRH/S = 0.100567
VKTS = 79.9	MTIP = 0.604	CXRH/S = 0.003247

CTH/S = 0.100619
CP/S = 0.004013

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	35.4		683.2		330.6		1400.5		-97.1	
RMS	425.9		364.9		416.3		360.8		205	
1/2 P-P	692.7		741.4		849.2		790.2		390.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	69.9	575.1	-0.1	447	-61.7	476	-91.7	339.7	77.4	250.6
2nd	112	0.9	100.1	-35.5	143.2	-62.7	153.9	-81.2	85.4	62.7
3rd	35.1	-32.2	-17.2	-32.7	-37	-59.6	-45.4	-71.6	9.3	-4.6
4th	9.8	63.7	23.8	138.6	27	189.5	19.6	171.1	-11.5	-40
5th	-41.9	-21.3	-84.1	94.9	-121.8	164.9	-130.7	199	-23.6	-6.9
6th	-18.2	-4.2	4	3.7	9.5	10.9	11	14.3	-16.1	2.4
7th	-11.3	-25.6	-11.2	3	-10.2	22.3	22.2	32.5	5.1	9.9
8th	-11.3	-11.2	-14.3	-27.6	-10.8	-16.4	3.9	21.8	5.1	10.1
9th	-8.5	9.6	-6.6	-1.1	-3.6	2.4	9.6	-4.6	-3.7	-4.9
10th	11.1	-9.5	0.9	-5.3	2.4	-0.1	21.1	1.3	-7.5	-3.2
11th	-49	49.9	-59.4	108.4	-10.9	7.5	51.5	-76.6	4.6	-3
12th	15.3	3.9	-9.5	-1.4	17.5	-6.5	-0.1	-0.2	8.9	9.8
13th	5.8	-8.4	-2.7	-12.6	2.4	-9.8	-4.6	1.2	-0.9	7
14th	1.4	-3.1	6.8	-3.4	-16.3	-4.6	4.3	2	2.3	-15.9
15th	5	-1.4	18	3.4	-25.9	-9.1	5.2	7.5	17.5	-4
16th	-2.6	1	-11	7.2	-4	-6.6	-1.1	5.1	-13.6	1.9
17th	1	-1.6	0.6	-4.2	-5.4	15.3	2.2	-6.2	-7.5	-2.7
18th	-0.2	-5.4	5.3	-2.4	-5.6	20.9	10.8	-9.1	-5.1	-0.7
19th	-0.8	5.9	3.1	-0.5	-15.3	-13.1	10.4	-0.4	2	0.2
20th	-20.2	-16.2	-2.7	1.4	73.4	8.7	-7.7	-6.4	2.5	16.4

RUN 25   PT 12

V/OR = 0.201
VKTS = 79.8

ALFS,U = -2.00
MTIP = 0.605

CLRH/S = 0.109952
CXRH/S = 0.003527

CTH/S = 0.110008
CP/S = 0.004658

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	247.3		62.6		176.6		-71.2		2.2	
RMS	105.2		59.1		166.8		102.4		46.7	
1/2 P-P	241.6		156.6		938.7		220.1		137.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	43.1	57.9	28.4	-12.2	23.7	-22.9	13.3	-77.9	-18.7	-28.3
2nd	33.4	25.3	3.5	16	-55.8	53.1	-81.8	1.9	-23	4.3
3rd	-1.7	21.8	-5.9	19.4	-34	-4.1	-17.5	74.2	-8.1	12.1
4th	-5.4	-22	-10.6	-15.1	6.1	-3.7	-0.2	12.9	15.4	4.8
5th	-11.3	1.6	-9.3	8.6	16.8	34	9.9	-18.3	4.5	-9.1
6th	-19.8	2.4	-14.3	6.1	-42.4	11.5	11.1	-4.2	-11.7	-2.9
7th	14.1	-0.1	9	0.1	-13.1	-0.6	-0.8	-4.2	0.1	5.8
8th	0.8	52.1	8.9	34.2	40.7	-13.7	-5.5	4.1	12.8	12.5
9th	-0.7	23.9	9.8	12.7	1.9	40.6	-0.3	3.8	7.6	-3.3
10th	7.4	-0.4	9	-2.2	-7.2	21.9	10.4	-2.5	-9.7	-3
11th	72.6	-54.5	27.9	-41.1	-81.4	-77.6	20.7	-23.4	-20.8	18.6
12th	31.7	14.7	14.7	-0.4	12.6	-19.6	1.1	1.2	0.5	3.5
13th	3.6	2.2	1.7	-2.2	42.6	2.8	-6.1	-0.3	7.6	-1.1
14th	-13.2	-14.2	-6.9	-1.4	6.5	42	3.3	1.1	-2.2	-6
15th	-11.6	-26	-9.9	-4.9	-12.4	1.3	13	5	-12.5	-3.7
16th	10.3	3.1	5	-1.9	-19.3	-40.3	-1.6	0.4	-1.5	5.5
17th	-14.4	10.7	0.5	3.1	33.4	-0.3	0.9	-2.9	-1.7	2.5
18th	-18.9	0.5	0	1.5	34.4	8.3	-1	-0.2	5.6	-6.9
19th	-0.7	-14	-0.7	-0.1	-42.4	11.9	-0.8	-0.1	4.5	0.1
20th	12.6	29.5	0.8	-4	9.7	-33.1	2.4	0.8	-11.5	-13.1

RUN 25   PT 12

V/OR = 0.201   ALFS,U = -2.00   CLRH/S = 0.109952   CTH/S = 0.110008
VKTS = 79.8   MTIP = 0.605   CXRH/S = 0.003527   CP/S = 0.004658

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	45		687.3		341.7		1411.8		-124	
RMS	451.3		391		444.9		385.2		235.2	
1/2 P-P	731.6		790.4		866.8		829.4		453.8	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	114.9	597.6	28.7	463.2	-36.5	496.5	-74.2	347.4	93.4	280.9
2nd	121.4	-6	106.3	-45.1	154.7	-68.6	167.9	-89.1	103.1	78.1
3rd	48.6	-15.4	-15.6	-23.6	-40.5	-56.7	-53.2	-69.5	13.5	3.3
4th	39	82.2	63.3	168.4	71.5	229.8	64.1	208.1	-10.3	-47
5th	-49	-24.5	-106.9	85.2	-157.6	149.8	-174.2	178.8	-34.6	-7.4
6th	-5	5.1	6.5	6.9	3.7	12.7	-1.3	9.5	-16.6	10.6
7th	-18.1	-33.5	-14.2	3.2	-10.2	24.4	27.1	37.9	7.7	12.1
8th	-12.9	2.7	-14.1	-21.5	-12.1	-15.9	-2.6	17	6.8	10.8
9th	-11.2	4.1	-5.9	-2.2	-1.2	5.8	15.4	0.7	-4.8	-8.9
10th	1.9	-0.8	2	0.1	3.3	2	27.4	0.7	-13.7	-6.4
11th	-61.8	53.3	-82.2	113.5	-11.7	5.1	67.5	-81.5	7.9	0.7
12th	21.1	-33.6	-17.9	-50.6	16.2	-30.4	-3.4	18	8.6	14.7
13th	10.2	-11.7	1.1	-20.4	4.7	-13.3	-7.5	2.8	-2.2	7.9
14th	0	-6	7.3	0	-17	-9	6.1	4.7	6.7	-19.8
15th	3.8	-0.5	17.7	8.4	-21.2	-21.4	3.5	9	17.7	-1.5
16th	-2.4	3.1	-6.8	9.4	7.9	-2.4	-2.1	4.4	-19	-0.4
17th	0.7	-3.3	4.1	-5.9	-4.1	16.6	5.2	-6.3	-9.4	-3.3
18th	-1	-3.5	8.2	-2.7	-7.5	16	16.1	-7.9	-7.3	-1.7
19th	-2.4	3.9	2.1	3.5	-10.9	-16.3	6.3	7.3	2.5	1.1
20th	-21.6	-15	-3.5	-2.9	70.9	17.9	-3.4	-23.1	-6.3	17.3

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RUN 25   PT 13

V/OR = 0.201   ALFS,U = -2.00   CLRH/S = 0.117688   CTH/S = 0.117770
VKTS = 79.9   MTIP = 0.605   CXRH/S = 0.004388   CP/S = 0.005513

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	264.6		75.1		142.9		-70.2		5.4	
RMS	111.5		59.8		75.7		105.8		49.6	
1/2 P-P	228.4		161		228.6		229.6		161.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	54.1	65.7	33.5	-10	30.1	-47.2	11.7	-77.7	-19	-33
2nd	40.5	28.1	7	16.5	-13.9	28.6	-85.7	-5	-24.3	1.2
3rd	-1.7	27.5	-5.5	23.1	-17.9	20.4	-15.3	78.1	-7.9	12.1
4th	-7.7	-25.2	-12.9	-17.3	-17.6	-14.2	2.9	12.7	17.8	5.9
5th	-19.8	-1.4	-15.8	5.6	-11.6	6.6	14.2	-17.2	6.3	-10.6
6th	-21.8	-6.1	-18.5	-1.8	-10.3	-4.7	14.1	0.7	-12.6	-5.6
7th	6.9	-1.7	2.2	-0.7	6.7	6.7	1.3	-3.7	-4.5	6.8
8th	-13.7	40.7	-3.1	28.2	8.3	12.1	-6.7	0.8	8.5	15.1
9th	-11.5	23.1	4.5	15.8	-9.6	8.7	-3.5	3.7	9.3	-0.8
10th	1.2	9.1	8	4.5	-1.1	-2.7	9.9	3	-7.6	-7.5
11th	81.6	-18.7	38.6	-23.8	-28.5	-39.2	27.7	-11.9	-25	8.6
12th	30.2	29.2	17.7	5.9	-3.2	-10.2	2	2.4	-1.8	2.3
13th	5.3	4.7	3.9	-1.9	6.7	-5	-7.5	-2.9	8	1.6
14th	-11	-21.8	-6.9	-4.5	6.9	16.5	3.5	2.4	-0.7	-6.2
15th	-6.2	-34.6	-10.2	-9.5	4.1	15.5	14.4	10.7	-12.2	-8.6
16th	2.6	9.4	3.8	1.5	-10	-6.9	1.8	-2.7	-5.9	5.9
17th	-19.2	7.5	-0.5	4.4	2.3	-9.7	2	-4.7	-4.1	2.1
18th	-14.6	-6.9	0.2	1.9	10	-8.1	-2.4	-0.8	7.2	-3.9
19th	11	-18.7	-0.5	-0.9	-6.6	6.9	-1.4	1.3	4.9	5.2
20th	1.1	25.3	1.2	-4.1	9.6	0	2.8	2.2	-3	-12.9

RUN 25 PT 13

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	65.4		702.1		-123.2		1422		-151.3	
RMS	469.5		394.7		430.2		362.5		269.6	
1/2 P-P	743.6		773.3		861.3		761.9		550.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	127.9	622	31.4	478.3	-66.4	492.2	-72.2	347.2	108.4	318.6
2nd	123.5	-11.2	103.4	-51.7	134.5	-82.2	170.3	-92.1	120.8	90.9
3rd	46	-5.4	-21.9	-16.3	-58.9	-71.2	-58.9	-64.4	9.4	0.7
4th	61	78.4	100.3	157.4	98.6	215.7	112.5	190.8	-25.6	-51.9
5th	-22.6	-24.2	-50.3	60.4	-91.1	109.4	-100	126.8	-49.7	-3.8
6th	10.7	13.8	17.8	16.5	8.3	28.4	-4.7	14.4	-8	30.8
7th	-22.2	-33.6	-15.2	6.7	-4.7	13.4	21.7	47.3	16.5	17.5
8th	-6.5	14.8	0.6	-4.4	-4.4	-14.9	-12.2	10.6	3.7	4.2
9th	-10.4	0.8	4.8	-5.7	-1.5	2	20.7	3.5	-10.2	-11.8
10th	-0.7	-2.3	3.7	-12.8	3.9	-2.4	30.4	10	-16.3	-2
11th	-70.6	20.8	-116.5	60.1	-18.1	-14.4	82.1	-42.2	12.6	5.4
12th	40.8	-43.2	-2.2	-77.9	28.6	-33.9	-12.9	33.1	2.8	9.4
13th	2.5	-16.3	-12.6	-26	-1.6	-14.9	1.6	3.2	-10.4	2.8
14th	-4.1	-2.9	6	11	-18.5	-17.6	9.1	2.2	3.2	-17.3
15th	4.3	2.7	15.9	14.7	-31.4	-34.2	-2.4	8.6	17.6	6.1
16th	-0.7	1.3	4.6	3.8	10.2	9	-3.8	4	-11.6	-3.4
17th	-0.3	-3	5.4	-8.5	-7.1	19.2	8.8	-5	-1.3	-10.8
18th	-2.9	0.7	10.3	-2.6	-11	7.6	20.8	-4.2	-6	-7.3
19th	-6.4	6.7	2.3	7.2	-2.2	-26.6	3	13	-1.3	0.4
20th	-5.1	-5.8	-5.2	-5.8	25.7	25.8	-8.8	-26.1	-14.1	13

D-322

RUN 28   PT 15

V/OR = 0.200 ALFS,U = 5.00 CLRH/S = 0.062979 CTH/S = 0.063276
VKTS = 80.0   MTIP = 0.606   CXRH/S = -0.006161 CP/S = 0.000607

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	132.2		-23.7		1581.8		-97.3		-72.7	
RMS	33.4		42.3		481.2		65.4		16.7	
1/2 P-P	94.2		83.6		1168.3		118.4		41.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	7.5	-7.5	16.3	-37.8	62.9	-69.6	30.6	-60.9	0.2	-15.7
2nd	-13.6	12.6	-19	21.2	76.2	-0.5	-45.5	38.5	-7.4	9.7
3rd	10.8	-20.5	4.7	-21.4	0	-44.9	-0.3	13.7	-0.1	2.1
4th	-2.3	-4.9	-3.1	-5.8	-49.8	-16.4	6.8	1.1	4.9	-0.2
5th	5.7	-9.3	3.8	-9.8	-9.6	40.4	-0.9	2.6	1.3	-0.6
6th	6	-2.9	4.2	-4.6	34.1	-44.1	0.1	-1.6	-2.7	-0.1
7th	10.4	-0.4	7.6	-1.5	16.9	-28.7	-0.4	-0.2	0.3	0.9
8th	-8.1	17.4	-2.8	13.2	-24.4	-45.6	-1.3	3.3	1	2.4
9th	-4.5	0	-1.9	0.6	-59.9	-40.6	-0.5	0.5	0.8	-1.5
10th	-2.2	-2.2	-1.3	-1.2	13.9	-81.8	0.6	-1.2	-1	0.4
11th	-10.1	-15.7	-7.5	-6.2	97	103.8	-3.5	-4.4	1.4	4
12th	-0.2	-9.2	-1.3	-4.2	-75.6	4	0.4	-2.2	0	1.5
13th	-1.6	-2.9	-1.9	-1.4	-115.1	107.5	0	-0.9	0	-0.6
14th	-4.6	1.4	-1.2	0.9	-3.1	34	1.5	-1.6	-2.1	1.4
15th	-8.3	4.2	-1.3	2.5	-12.9	24.5	2.6	-3.9	-2.8	3.9
16th	-6	-2.1	-1.8	0.1	50	-41.5	2.6	-0.7	-1.9	1.1
17th	-2.3	-0.9	-1.1	-0.5	-142	60.8	0.9	0	-1.3	0.1
18th	-1.9	-1.5	-0.4	-0.1	30.9	-13.6	0.6	0	-0.8	1.4
19th	-2	-3.4	-0.6	0.1	-38.2	32.9	0.9	-0.1	-0.1	2.5
20th	4.4	-1.9	-0.6	0.3	81.5	31.8	1.1	-0.9	-3.8	4.1

D-323

RUN 28   PT 15

V/OR = 0.200
VKTS = 80.0

ALFS,U = 5.00
MTIP = 0.606

CLRH/S = 0.062979
CXRH/S = -0.006161

CTH/S = 0.063276
CP/S = 0.000607

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-80		663.7		349.4		1448.2		-4.7	
RMS	256.8		241		283.3		238.5		89.5	
1/2 P-P	417.1		416		512.6		442.5		183.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-262.6	235.3	-250.1	191.6	-269.9	229	-225.6	166.2	28.8	112.9
2nd	51.1	-28.6	68	-44.1	111.7	-98.5	107.2	-99.8	-6.4	1.4
3rd	-21.2	46.5	-34	66.5	-30.9	67.2	-25.3	32.4	33.3	-24.1
4th	3.8	-4.3	-1.9	-4.8	4.8	-9.5	2.6	-19.1	-10.2	-7
5th	-6	7.9	9.3	-31.5	27.3	-65.7	35.1	-93.3	-4.3	5.7
6th	1.4	7	-8.7	18.1	-14.5	21.9	-14.2	12.7	-1.7	11.1
7th	8.9	3.6	-1.6	3.2	-5.9	1.2	-0.8	-2.9	1.9	-4.3
8th	-1.1	-3.2	3.7	-14.6	2.9	-7.3	0.7	9.4	-3.6	5.9
9th	-4.1	3.5	1.5	0.9	-0.7	-0.1	1	-4.3	-2.8	-2.7
10th	7	-4.1	6.7	-3.1	0.1	0.4	-2.8	0.5	-1.5	2
11th	16.5	12.9	29.1	16.2	4.8	2	-16.6	-14.2	-1.6	-2.4
12th	-0.2	5.9	3.1	13.4	-2.3	2.3	0	-9.1	-2.2	-0.9
13th	-14.2	2.8	-21.9	13.9	-20.5	8.5	5.5	-5.3	0	2.6
14th	0.2	-0.8	0.4	-2.9	-5.5	2.6	1.9	-0.6	-4.6	-2.5
15th	0.5	-3	5.5	-3.7	-4.2	10.1	2.9	-1.3	-7.4	-1.4
16th	0.9	0	5.8	1.1	-5	3	2.5	0.2	-1.2	-0.4
17th	1.6	-0.4	3.3	2.4	-1.9	3.2	1.3	0.8	-0.3	4.3
18th	-0.8	-0.8	1.2	1	-2.2	0.4	2.2	1.8	1.4	-1.9
19th	-1.1	5.9	0.1	-2.3	-9.5	-11.8	0.5	-3.1	1.5	-0.5
20th	2.5	-0.7	-0.8	2.7	0.4	-3.2	-6.7	7.6	4.2	-2

RUN 28   PT 16

V/OR = 0.200 ALFS,U = 5.00 CLRH/S = 0.068933 CTH/S = 0.069245
VKTS = 80.0   MTIP = 0.605   CXRH/S = -0.006593 CP/S = 0.000670

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	142		-16.9		1252.6		-98.4		-48.4	
RMS	34.4		41.3		409.7		67.9		19.6	
1/2 P-P	102		85.7		1161.3		123.8		49	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	6.8	-1	15.9	-35.8	15.2	46.6	29.4	-61.9	-1.3	-17.5
2nd	-12.8	14.5	-19.4	21.7	-56.4	174	-49.9	37.7	-10.5	9.6
3rd	11.6	-19.5	4.3	-19.4	33.5	49.4	-0.9	19	-0.5	2.3
4th	-5	-5.5	-5.6	-6.1	-54.6	6.4	8.8	2.1	6.6	-0.3
5th	3.5	-10.2	1.4	-10.5	29.9	38.6	1.2	2.8	2	-0.2
6th	5.6	-3	3.6	-4.5	32.4	31.2	0.5	-1.7	-3.4	0.9
7th	7.7	-2.8	5.5	-2.4	6.9	7.8	-0.8	-0.5	-0.2	1.2
8th	-11.2	15.7	-5.3	12.3	10.6	77.4	-2.3	3.1	0.5	2.4
9th	-4.6	-1	-2.5	-0.3	-6.6	58.7	-1	0.4	0.9	-1.7
10th	-1.5	-3.1	-1	-1.6	-15.1	131.1	0.2	-1.2	-1.2	0.9
11th	-11.1	-17.1	-8.3	-6.8	-72	86.5	-4.7	-4.7	2.5	4.8
12th	0.2	-9.1	-1	-4.1	-73.1	-51.2	0.1	-1.9	0.2	1.4
13th	-0.3	-3.1	-1.5	-0.6	-78.9	-24.5	-0.5	0	0	-0.9
14th	-3.6	3.2	0	1.3	-60.9	-65.7	1	-2.2	-1.8	2.2
15th	-8.1	9.6	0.1	3.7	-4.9	-40.7	1.4	-6.5	-1.8	6.1
16th	-9.6	-0.1	-2.3	1.4	8.2	-30.6	3.5	-2.9	-2.6	2.6
17th	-3.3	-1.9	-1.4	-0.5	-1.3	-42.4	1.2	-0.1	-1.3	0.6
18th	-1.8	-3.4	-0.7	-0.6	-17.3	2.4	0.8	0.3	-0.9	1.4
19th	-0.8	-5.9	-0.8	0	6.8	-35.2	1.1	-0.3	-0.8	4.1
20th	7.6	-3.1	-0.7	-0.2	-38.7	-10.1	1.3	-1.1	-5.6	5.4

D-325

RUN 28   PT 16

V/OR = 0.200   ALFS,U = 5.00   CLRH/S = 0.068933   CTH/S = 0.069245
VKTS = 80.0   MTIP = 0.605   CXRH/S = -0.006593   CP/S = 0.000670

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-91.8		649.5		338.2		1441.6		-17.3	
RMS	327.4		290.4		323.4		261.8		102.1	
1/2 P-P	514.4		499.1		570.6		467.8		198.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-310.7	332.5	-287.2	264.5	-299.5	289.2	-245.2	203.6	29.2	129.9
2nd	62.6	-26.6	79.1	-45.3	124.8	-100.5	118.6	-101.7	0.3	2.7
3rd	6.8	41.8	-12	60.6	-10.1	60.4	-11.6	26.1	36.9	-28
4th	1.1	-5.1	-3.9	-2.5	4.9	-6.2	0.1	-15.1	-14	-10.2
5th	-9.1	12.1	-10.4	-25.7	-5	-60.8	-4.8	-89.6	-5.2	7.9
6th	3	6.4	-9.8	17.8	-17.3	20.8	-20.4	12	-0.7	12
7th	1.5	-8.7	0.3	0.5	4.1	5.2	11	5.7	1.3	-6
8th	1.8	-0.8	7.1	-12.7	3.9	-6.6	-4.1	9.1	-5.4	7
9th	5.2	10.5	8.5	4.4	1.6	1.1	-4.9	-6.5	-2.8	0.5
10th	6.1	-2.9	6.4	-2.6	1.4	0.2	-2.3	-0.1	-0.2	4.1
11th	2.7	6.4	17.3	12.9	-0.2	-0.7	-9.5	-13.1	-1.2	-2.5
12th	1.9	8.3	6.1	14.1	-0.5	2.2	-1.7	-9.6	-2.2	0.1
13th	-9.3	11	-10.3	27.8	-10.9	18.8	2.5	-7.8	5	-1
14th	-0.7	0.8	-0.2	0.9	-4	8	2.7	-1.2	-7	-1.4
15th	-2	-1.1	-3.6	-7.1	-9.3	13.3	3.1	-2.9	-11	-1.6
16th	1.3	-0.5	7.2	-4.1	-7.4	3.7	4	-1.1	-1.3	0
17th	0.3	-1.6	3.7	1.4	-3.2	1.9	1.8	0.6	1.4	3.8
18th	-3	1	4.8	0.9	2	-4.5	5.1	0.8	1.3	0
19th	5	-4.3	2.1	7.6	-6.7	7	1.6	12.8	3	-2.8
20th	-8.2	-1.1	1.8	2.6	16.2	-15.1	0.5	5.5	6.9	-1.2

D-326

RUN 28   PT 17

V/OR = 0.201
VKTS = 79.9

ALFS,U = 5.00
MTIP = 0.604

CLRH/S = 0.079770
CXRH/S = -0.007663

CTH/S = 0.080135
CP/S = 0.000783

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	161.6		-3.7		1056.6		-100.3		-8.3	
RMS	37.9		41		418		72.5		22	
1/2 P-P	114.2		84.8		1025.5		131.2		60	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	7.7	10	17.1	-33.4	128.9	-36.1	26.9	-63.4	-6	-16.5
2nd	-8.1	13	-18.4	20.1	-43.2	-23.9	-57	36.2	-13.8	11
3rd	9	-22.1	2.5	-18.6	31	-51.3	-0.3	28	-1.9	4.4
4th	-6.9	-7.5	-7.8	-7.4	33.6	-9.6	11.5	3	7.7	0
5th	-0.5	-8.1	-2.9	-6.5	-83.3	7.1	5.1	-3.5	2.9	-1.7
6th	4	-5.5	2	-5.9	-13.3	7.7	1.3	-2.1	-4	0.9
7th	7	0.9	6	-0.2	41.8	39.5	-1.6	-0.5	-0.1	1.6
8th	-15.9	24.4	-7.5	19.2	-17.5	25.6	-3.2	3.9	0.4	4.2
9th	-5.2	1.3	-2.1	2.2	-22.4	13.5	-1.2	0.6	0.9	-0.8
10th	-2.3	-0.6	-0.4	-0.4	23.9	-12.5	0.2	-1	-1.7	1.5
11th	-12	-4.6	-7.1	-0.6	19.4	0.5	-4.1	-1.4	1.8	2.9
12th	-0.8	-6	-1	-2.9	-4.3	5.4	-0.1	-2.2	0.7	2
13th	-0.5	1.5	-0.3	0.7	-7.9	-12	0	-1.1	-0.1	0.6
14th	-2.8	10.2	1.2	3.3	-16.4	-6.7	0.3	-4.6	-1.6	4.8
15th	-8.2	18.5	1.7	6.8	13.6	-15.5	0.3	-10.4	-1.8	9.9
16th	-13.5	-0.6	-3.9	2.1	27.3	4.1	5.6	-3.6	-4.8	3.3
17th	-2.1	-3.7	-1.5	-1.2	2.6	-15.4	1.5	1.1	-2	-0.6
18th	0.9	-4.6	-0.9	-1.1	5.1	-18.7	1.2	1.8	-2.7	1.2
19th	1.4	-4.9	-0.4	-0.7	13.3	-8.7	1.4	0.6	-2.8	2.3
20th	0.2	2.2	-0.3	-0.3	20.9	9.5	1.1	0.2	-3.8	-0.4

D-327

RUN 28　　PT 17

| V/OR = 0.201 | ALFS,U = 5.00 | CLRH/S = 0.079770 | CTH/S = 0.080135 |
| VKTS = 79.9 | MTIP = 0.604 | CXRH/S = -0.007663 | CP/S = 0.000783 |

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-80.9		645.9		333.3		1442		-35.7	
RMS	354		305.5		343.5		273.9		122.2	
1/2 P-P	540.5		521.2		595.9		532		226.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-226	437	-227	341.1	-256.4	356.3	-220.7	248	39	156.2
2nd	66.3	-38.3	85	-57.5	139.1	-110.9	134	-110.7	12.4	0.7
3rd	-2.6	-22.6	-24.2	6.2	-21	5	-21.2	-17.7	35.5	-38.4
4th	18.2	6.9	21.2	14.2	35.6	12.5	27	4.7	-18.4	-9.5
5th	6.7	31.4	17	60.7	26.5	74.3	22.6	66.4	-0.3	5.6
6th	-2.3	1.8	-6	25.7	-7.6	36	-7.8	31.2	-0.8	11.3
7th	-16.7	0.5	-4.4	1.2	8.9	-3.1	23.9	-4.6	1.4	-2.7
8th	3.5	-4.5	11.2	-19.4	7.1	-8	-4.2	19.4	-3.3	8.7
9th	-13	-9.2	-2.5	-6.2	2.8	-1.4	11.1	4.1	-0.9	-2.4
10th	-2.9	-10.4	-0.2	-8.6	-0.5	-0.9	3.6	5.6	-3.3	3.7
11th	16.2	6.9	26	0.2	4.8	-0.1	-15.1	-6.3	-0.2	1.2
12th	4.8	-7	2.1	-6.2	-2.5	-7.3	-0.7	-2.3	-0.1	1.6
13th	2.2	2.1	1.4	1.3	-0.1	4.6	-0.9	-0.4	5.7	-1.7
14th	0.7	-1.8	-4.5	-5.8	-2.7	11.7	3.3	-1.3	-9.5	-0.6
15th	-0.9	-2.3	-3.8	-10.8	-2.8	23.8	3.4	-2.9	-13.6	-2
16th	2.4	-1	11.3	1.4	-9.1	13	4.5	1.5	3.1	-0.4
17th	0.6	0.9	2.1	2.3	-4.2	-3.3	0.4	1.2	0	4.1
18th	-2.7	-2.9	2.9	8	4.3	2.1	2.3	7.3	4.2	4.3
19th	-6.6	4.4	3.5	0.6	5.1	-17.7	4.6	-0.6	4.6	-0.7
20th	-2.7	-3.3	1.8	1.5	8.3	3.5	1.2	0.3	1.8	0.8

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RUN 28   PT 18

V/OR = 0.200   ALFS,U = 5.00   CLRH/S = 0.089712   CTH/S = 0.090119
VKTS = 80.0   MTIP = 0.607   CXRH/S = -0.008581   CP/S = 0.000967

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	181.9		8.9		1232.6		-102.6		-8.3	
RMS	38.7		40.1		402.7		77.3		25.3	
1/2 P-P	116.2		82.6		1007.3		139.3		67.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	12.2	18.6	19.4	-31.6	-115.2	97	23.7	-64.4	-10.8	-16.5
2nd	-5.3	13.8	-18.2	19.8	-130.4	-69.3	-64.9	35.3	-17.1	12.1
3rd	3.9	-19.9	-0.3	-15.6	-66.8	-100.7	0.6	35.6	-2.3	6.5
4th	-9.5	-10.1	-10.5	-9.1	-8.8	-60.8	11.6	3.2	9.1	1
5th	0.5	-5.3	-0.3	-2.2	17.5	13.6	0.7	-9.2	1.6	-2.6
6th	1.1	-4	-0.3	-4.1	52	45.1	1.5	-3.3	-4.6	1.4
7th	7.5	8.6	6.9	5.1	-33.3	39.7	-2.6	-0.3	0.6	2.9
8th	-13	24.5	-5.1	19.6	-23.2	14	-4.1	3.9	1.7	3.8
9th	-2.1	3.8	1	2.5	-37.2	-57.7	-1	1.4	1	-1.6
10th	5.1	2.4	4	-0.2	27	-13.7	2.4	-0.6	-3.6	1.5
11th	-0.2	3.2	0.5	1.7	-26.5	-63.7	0.1	-0.4	-1.1	2
12th	2.2	-2.1	0.6	-1.8	16.5	21.3	0.1	-2	0.8	1.2
13th	2.4	4.9	1.6	1.5	-30.6	41.7	0.6	-1.8	-1.1	0.6
14th	-2.3	12.4	2.9	4.5	-15.6	9	1.5	-5.4	-3.8	5.4
15th	-8.8	20.1	2.4	7.7	-5.9	-25.5	1	-11.5	-3.1	10.8
16th	-9	1.1	-2.3	2.4	10.4	-46.7	3.8	-3.7	-3.4	2.8
17th	2.7	-3.7	-0.4	-2.3	11.1	-6.9	-0.1	2.5	-1.5	-2.1
18th	5.1	-4.1	-0.5	-2	1.7	29.7	0.7	2.9	-3.9	-0.7
19th	3.6	-2.5	-0.2	-0.9	-17.5	12.9	1.1	0.9	-4	0.1
20th	-6	0.1	0.3	0.1	11.1	30.8	-0.1	0.2	0.8	-2.3

RUN 28   PT 18

V/OR = 0.200   ALFS,U = 5.00   CLRH/S = 0.089712   CTH/S = 0.090119
VKTS = 80.0   MTIP = 0.607   CXRH/S =-0.008581   CP/S = 0.000967

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-68		649.1		330.1		1452.8		-52	
RMS	371.2		321.1		369.3		302.5		136.9	
1/2 P-P	578.8		554.5		684.2		624.7		256.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-147.1	492.3	-172.9	382.5	-217.7	398.6	-197.5	276.3	52.6	175.5
2nd	72.1	-20.7	93.7	-47.2	153.6	-103.9	149.9	-109.9	19.3	2.5
3rd	-51.4	-32.4	-70.1	-1.8	-65	-8.2	-59.7	-29.5	29.7	-38
4th	24.9	-0.7	29.3	7.2	46.1	4.7	33.5	-2.1	-16.5	-11.2
5th	21	19.1	76.5	62.8	118.6	87	126.5	89.6	0.3	-0.5
6th	0.1	1.7	1	25.6	2.3	36.7	-1.9	34.8	4.5	14.7
7th	-11.4	8.6	-1.2	-1.5	10.5	-8.8	24.4	-6.3	4.7	-0.4
8th	3.3	-6.3	11.3	-21.5	9.6	-9.9	1.7	19.1	-1.7	4
9th	-13.6	11.5	-1.3	3.1	4.1	-1.5	12.4	-8.2	-2.7	-4
10th	1.6	11	1.2	2.9	3.4	0.6	8.6	-6.6	-2.8	3.3
11th	-0.5	-1.8	-1.8	-9.2	-1.7	-4.3	1.7	-1	2.6	0.3
12th	-18.2	-1.8	-26.3	4.8	-18.3	0.3	8.2	-6.4	0.4	-1.3
13th	10.5	-5.6	4.9	-14.4	5.3	-2.3	-2.5	5.4	4.1	-1.4
14th	-0.4	-3.1	-0.1	-8.5	3.4	13.6	4.7	0.6	-14.8	-5.5
15th	-2.7	-4.2	-5.3	-16.8	-3.6	20.5	4.6	-3	-13.9	-4.8
16th	1.6	-3.2	8.3	-9.3	-3.1	0.4	3.5	-0.3	7.1	-4.8
17th	-2.5	-1.8	1.4	5.4	5.1	-3.3	0.2	2.9	-1.7	6.6
18th	-2.6	0.4	-1.2	4	4.3	-10.4	-1.2	2.9	2.8	6.3
19th	-3.6	-1.4	-0.2	3.9	6.5	-6.4	0.7	2	2	1.5
20th	10.9	2.4	-1.2	1.8	-20	11.3	-6.2	0.2	-0.1	-1

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RUN 28   PT 19

V/OR = 0.200	ALFS,U = 5.00	CLRH/S = 0.100100	CTH/S = 0.100541
VKTS = 80.0	MTIP = 0.605	CXRH/S = -0.009433	CP/S = 0.001230

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	200.5		21.9		1556.1		-104.6		-12.4	
RMS	48.1		43.1		493.4		83.2		30	
1/2 P-P	142.8		85.4		1053.4		151.4		85.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	17.9	25.5	22	-30.5	-88.6	50.2	21.3	-66.2	-15.3	-17
2nd	-1.8	15.6	-17.6	19.8	-184.7	187.4	-71.2	34.9	-19.7	13.3
3rd	-2.6	-15.1	-4.7	-11	-13.9	-151.2	0.2	44.5	-2.8	8.8
4th	-12.9	-12.3	-14.2	-10.1	24	53.3	11.4	3.8	9.9	1.6
5th	0.7	-5	1.6	-0.8	15.1	-32.6	-3.2	-11.4	-0.1	-3
6th	-0.6	-3.3	-1.5	-2.3	60.4	36.9	1.4	-4.2	-5.5	1.2
7th	13.6	13.9	11.8	8.5	-32	28.9	-2.9	-0.2	1.6	3.7
8th	-12.1	27.1	-3.4	21.5	42.8	70.7	-4.6	4.1	1.6	4.1
9th	0.9	6.9	3	3.6	-68.4	-32.3	0.3	1.7	-0.6	-0.9
10th	10	-0.1	6.7	-2.3	18.3	4.7	4.2	-2.9	-5.6	4.1
11th	23.8	-3.3	12.4	-6.2	1.7	-41.3	7	-6.3	-6.7	6.9
12th	8.5	3.7	4.2	-0.5	21.6	16.8	1.9	-2.9	-0.5	1.7
13th	4.2	9.6	3.3	3.4	8.7	-34.4	1.7	-2.3	-2.3	0.9
14th	-3.2	16.8	3.5	5.5	7.5	42.7	2.3	-7.3	-5.6	6.9
15th	-9.4	21.6	1.9	8.2	-39.1	-24.6	1.5	-12.1	-4.2	10.9
16th	-2.2	2.7	-0.3	1.6	23.4	-0.6	0.8	-2.8	-1.5	1.4
17th	8	-1.6	1.2	-2.7	-46.8	-30	-2.4	3.1	-0.7	-3.4
18th	8.5	-2.7	0.1	-2.5	23.7	4.7	-0.4	3.6	-4.8	-1.8
19th	4.5	-0.3	-0.1	-1.3	-2.4	-26.9	0.6	1.2	-5	-1.5
20th	-7.7	0.8	0.3	0.2	23.2	24.3	-0.6	0.4	2.2	-3.1

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RUN 28   PT 19

V/OR = 0.200	ALFS,U = 5.00	CLRH/S = 0.100100	CTH/S = 0.100541
VKTS = 80.0	MTIP = 0.605	CXRH/S = -0.009433	CP/S = 0.001230

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-54.4		645.4		326		1447.6		-67.8	
RMS	393.3		342.4		396		327.8		151.5	
1/2 P-P	627.9		613.8		760.4		691.5		290.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-111.7	529	-150.9	412.4	-201.6	432.7	-188.4	299.9	60.6	195.4
2nd	92.9	-19.2	113.7	-50.6	179.1	-107.9	171.9	-115.6	28	8.5
3rd	-74.5	-16.9	-93	9.4	-88.8	-4.6	-83.4	-27.6	24.3	-37
4th	24.4	-4.8	26.3	7.8	42.3	6.4	24.5	1.8	-15.6	-12.9
5th	23.3	3.2	99.9	38.6	157.9	54.1	171.5	58.9	-0.5	-6
6th	0.4	-2.4	5.1	25	8.4	37.5	2.2	42	5.2	8.9
7th	-7.6	-0.8	-4.5	-6.3	7.3	-6.5	27	5.9	5.4	0.7
8th	2.7	-7.9	10.8	-24.4	10.1	-12.1	4.6	20.4	-3.1	1
9th	-1.8	14.8	4.8	0.9	5.2	-2.1	7.5	-7	-1.9	-2.9
10th	11.3	8.2	4.8	-0.3	5.8	-3.6	8.4	-10.3	-4.9	1.6
11th	-21.2	1.3	-37.8	6.6	-9.3	-4.4	25.7	-13.9	0.8	1
12th	-6.8	13.3	-17.6	14.2	-10.6	10.6	2.9	-10	-0.8	5.1
13th	11.8	-12	-0.2	-23.6	4.3	-3	-0.6	9.8	2.2	-3.6
14th	-1.7	-3.7	-5	-15.6	0.2	13.1	7.1	1.2	-21	2.8
15th	-4	-2.5	-7	-14	-4.7	25	4.9	-4	-10.3	-4.4
16th	-0.2	-2.5	-7	-4.9	-8.3	1.4	-1.9	-0.8	3.5	-2.4
17th	-3.5	0.9	-2.7	2.6	11.6	-8.9	-2.2	2	-0.6	7
18th	-4.4	-2	-4.1	7.6	11	-5.8	-1.7	6	4.3	7.4
19th	-9.5	4.7	-2.5	1.5	9.2	-14.8	0.1	-5.4	2.8	2.6
20th	3	-4.2	2.6	1.4	-4.8	15.1	6.3	0.1	1.8	-1.4

RUN 28   PT 20

V/OR = 0.200   ALFS,U = 5.00   CLRH/S = 0.109539   CTH/S = 0.110004
VKTS = 80.0   MTIP = 0.607   CXRH/S = -0.010117   CP/S = 0.001594

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	221.3		35		2320		-106.7		-47	
RMS	69.8		52.7		434.4		89.5		36.3	
1/2 P-P	188.3		118		849.5		182.1		97.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	24.8	33	25	-28.3	-31.7	-132.5	17.7	-67.4	-19.8	-18.6
2nd	3.4	18.4	-16.2	20.3	65.6	98.4	-77.9	35.3	-23	14.8
3rd	-6.7	-11.6	-9.2	-8.2	28	11	-4.7	50.4	-4.2	10.6
4th	-13.6	-14.9	-15.8	-11.8	18.9	-9.2	9.6	5.3	10.5	2.9
5th	0.9	-6.2	2.7	-1.9	-33.4	-33.7	-5	-10.6	-1	-3.1
6th	-0.7	-3	-0.3	-1.3	42.6	0	0.7	-4.3	-6	-0.6
7th	23.5	12.9	19.1	6.5	22.6	114.5	-2	0	3.2	2.1
8th	-0.5	34.4	6.5	24.8	-38.6	9.1	-1.8	4.9	2.5	4.6
9th	10.8	8.2	9.6	2.3	-21.4	-62	4.7	0.9	-2.8	-0.1
10th	24.8	-8.4	13.8	-9.2	1	-4.4	10.2	-7.7	-10.2	7.6
11th	64.9	-0.1	33.9	-11.8	-50.4	89.8	21.3	-10.6	-17	9.1
12th	11.8	12.5	7.1	2.7	-9.5	-31.9	5.3	-1.8	-2.4	0.1
13th	0.8	11.1	2.6	5	53.5	-52.5	4.5	-0.8	-4.8	-1.4
14th	-7.6	10.8	0.9	5.2	25.4	40.1	5.5	-3.8	-8.5	2.3
15th	-2.8	4.7	-0.1	2.8	-29.7	-1.3	1.9	-2.6	-3.7	1.6
16th	11.4	1.5	2.4	-2.5	-44.4	11	-5	2.5	3.4	-3.5
17th	15.5	3.9	4	-2.2	11.6	9.1	-6.9	3.3	2	-4.9
18th	12.1	0.6	1	-2.1	41.2	-13.5	-2.3	4.1	-5.2	-2.9
19th	4.8	2.9	0	-1.3	-17.7	13.9	0	1.2	-5.5	-2.8
20th	-6.3	1.9	0	0.1	-68.9	12.3	-0.9	0	1.9	-2.5

RUN 28   PT 20

V/OR = 0.200   ALFS,U = 5.00   CLRH/S = 0.109539   CTH/S = 0.110004
VKTS = 80.0   MTIP = 0.607   CXRH/S = -0.010117   CP/S = 0.001594

	Chord Bending, ft-lb MREB1A, r/R=0.127	Chord Bending, ft-lb MREB2, r/R=0.200	Chord Bending, ft-lb MREB3, r/R=0.300	Chord Bending, ft-lb MREB4A, r/R=0.454	Pitch Link Load, lb MRPR3
MEAN	-32.1	656.3	329	1464.9	-80.4
RMS	415.2	361.1	407.6	334.6	167
1/2 P-P	644.7	683.4	770.6	668.8	310.8

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-86	559.3	-135.3	436.4	-187.4	460.9	-176.3	318.9	71.6	213.3
2nd	124.5	-21.9	143	-58.4	213.3	-114.9	202.5	-124	40.7	16.7
3rd	-67	8.1	-90.3	24.7	-86.8	3.8	-86.8	-24.8	25.4	-36.9
4th	16.3	-3.8	9.9	17.4	20.9	18.8	-1.1	14.4	-13	-18.5
5th	8.6	-4.6	68.6	20.8	112.5	25.1	124.1	26.7	-4.7	-8.5
6th	-13.5	-4.7	1.1	22.7	10.7	33.9	12	40.1	-1	6.2
7th	-19.7	-2.1	-15.7	-5.5	3.4	-6.4	38.4	0.1	4.8	2
8th	-2	-12.7	-0.8	-28.9	2.7	-12.4	10.5	24.3	-2.8	0.5
9th	-7.3	8.3	-4.2	-1.6	4.4	-0.4	17	-4.7	-2.8	-1.7
10th	22.4	1	2.3	0.6	7	-8.1	8.7	-18.7	-3.9	-1.3
11th	-45.9	-19.3	-101	0.4	-19.8	-10.9	62.8	-13.2	3.8	7.3
12th	14.4	9.8	-3.9	0.9	-0.8	12.8	-4.7	-2.6	-0.2	8.4
13th	15.6	-15.2	8.7	-27.6	8.1	0.1	-1.2	14.4	-0.6	-3.4
14th	-4.7	-6	-5.7	-12.3	-6.5	10.1	9.8	2.8	-15.1	-3.7
15th	-2.3	-0.1	1.5	1.9	3.5	10.7	3.5	-2.1	2.6	-3.7
16th	-1.2	0.2	-12.7	4.8	6.4	-2.5	-7.4	-2.8	0.9	10.4
17th	-2	-3.3	-13	2.3	18.6	-4.8	-7.6	3	-3.3	0.7
18th	-4.6	-5.6	-7.8	6.4	19.3	-2.5	-3.7	7.2	0	6.7
19th	-6.1	-1	-4.3	4.7	13.2	-0.7	-1.1	-1.4	3.8	3.7
20th	11.2	0.9	-2.2	1.5	-18.5	16.6	-8.3	0.6	0.3	0.9

RUN 28   PT 21

V/OR = 0.201	ALFS,U = 5.00	CLRH/S = 0.119652 CTH/S = 0.120153
VKTS = 80.0	MTIP = 0.604	CXRH/S = -0.010976 CP/S = 0.002003

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	240.9		48.6		2289.8		-109.2		-48.3	
RMS	80.9		57.7		473.4		94.8		39.3	
1/2 P-P	197.1		123.6		1145.6		202.8		104.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	31.5	40.3	28.4	-26.3	-66.9	-75.3	14.2	-68.7	-22.1	-20.9
2nd	8.2	21.8	-14.9	21.3	43.9	-18.6	-84.6	34.8	-23.9	13.7
3rd	-7.6	-4.8	-11.6	-4.3	-13.4	-60.7	-9	53.4	-4.4	11.1
4th	-11.8	-13.9	-15.9	-11.3	-113.7	1.3	8.5	4.8	10.9	1.4
5th	-3.6	-8	-1.7	-4.2	-60.4	-76.2	-1.7	-8	-0.1	-2.7
6th	0	0.8	1.3	0.7	-28.3	-36	0.2	-3.3	-6.2	-2.2
7th	28	16.7	23.5	7.8	-74.1	-95.9	-1.3	0.9	4.5	2.1
8th	6.6	33.2	11.5	21.1	68.9	-40.6	0.1	5	2.5	3.6
9th	19	7.6	14.3	-1.1	118.2	-119.8	8.1	0.6	-4.7	-0.3
10th	32.4	-13.9	18.1	-14.3	36.3	-23.6	14	-10.4	-11.9	8.1
11th	76.1	0	39.6	-14.8	-171.2	-101.9	26.1	-12.1	-19.3	8.9
12th	10.8	14.4	6.6	4	2.8	-74.7	6.7	-0.5	-3	-1.9
13th	-3.7	9.7	1.2	4.9	82.2	-96.7	6.6	0.9	-5.9	-2.7
14th	-10	5.7	-1.6	4.6	74.8	-43.9	6.5	-0.9	-9.2	-0.8
15th	-1	-5.5	-1.7	-0.4	6.2	3.8	2.3	2.3	-2.7	-2.9
16th	15.5	0.3	3.2	-4.8	21.3	-95.1	-7.8	4.1	6.4	-4.8
17th	16.6	6.8	5.3	-1.4	-33.1	45.8	-9.5	2.1	4.4	-3.8
18th	10.8	1.7	1.6	-2	11.6	0.1	-3.2	3.6	-3.9	-4.1
19th	3.3	-0.1	-0.1	-1.3	42	5.1	0	0.7	-3.6	-2.3
20th	2.1	-5.7	0	-0.7	93.8	-140.5	-0.2	-0.9	0.3	2.7

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RUN 28   PT 21

V/OR = 0.201   ALFS,U = 5.00   CLRH/S = 0.119652   CTH/S = 0.120153
VKTS = 80.0   MTIP = 0.604   CXRH/S = -0.010976   CP/S = 0.002003

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-22.9		648.7		319.6		1459.3		-94.5	
RMS	436.2		379.5		420.9		342.8		185.2	
1/2 P-P	674.4		704.3		763.1		663.8		331.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-31.8	590.5	-98.4	463.5	-160.2	494.3	-158.6	342.5	83.3	233.8
2nd	137.4	-25.1	157.9	-66.1	236.5	-120.6	226	-130.7	54.4	27.9
3rd	-34	39.6	-66.2	41.9	-65.5	14.5	-73.8	-19.8	27.4	-28.4
4th	9.4	19.6	-3.2	51.7	1.9	58.5	-20.5	51	-8.2	-22.5
5th	-3.9	-5.4	18.5	12.7	32.1	8.9	30.1	5	-11.9	-9.3
6th	-19.8	9.3	-4.5	16.3	3.7	14	9.9	11.6	-5.5	3.9
7th	-23.7	7.2	-22.4	-1.8	-4.8	-5.3	38.6	-4.1	1.9	5.4
8th	-14.2	3.5	-9.5	-16.9	-1.6	-7.8	16.6	14.1	-3.8	5.2
9th	-7.2	24.6	-6.7	9.6	3.1	2.5	19.9	-16	-1.9	1.3
10th	7.7	5.2	-11.5	9.5	1.9	-8.1	21.8	-28.1	-3.4	-0.7
11th	-76.9	3	-135.2	27.9	-33.4	-0.6	84.4	-30.3	6.6	10.3
12th	17.7	7.9	-3.4	-1.1	-4.3	14.8	-6.6	1.5	1.5	5.9
13th	19.5	-32.5	7.8	-53.4	1.4	-17.7	0.8	25.5	-1.1	-6.5
14th	-5.7	-8.5	-6.3	-9.8	-11.5	7.5	11.9	6.1	-12	-9.9
15th	-3.3	-0.1	4.8	6.1	5.6	-2	5.8	-0.8	9.8	-3
16th	-2	2.2	-13.5	6.7	12.3	-7.6	-7.5	-4.8	-1.7	17.8
17th	-2.7	-8.3	-13	0.8	26.5	1.8	-6.5	4.2	-5.6	-0.9
18th	-7.1	-8.6	-9.1	5.2	20.4	1	-1.6	8.5	-0.3	6.7
19th	-6.3	-7.5	-1.9	6.5	14.2	4.6	5.4	5	0.5	2.8
20th	-4.2	-2.8	2.2	5.9	6.6	-4.3	2.8	7.3	-0.6	1.4

RUN 30 PT 18

V/OR = 0.200
VKTS = 80.1

ALFS,U = 10.01
MTIP = 0.606

CLRH/S = 0.077058
CXRH/S = -0.014684

CTH/S = 0.078438
CP/S = -0.000548

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	147.4		-21.3		2547.9		-115.9		-51	
RMS	43.1		53.2		123.9		68.8		18.1	
1/2 P-P	113.8		97.8		383.4		124.8		39.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	6	-8.8	15	-47.3	10.7	-3.3	28.7	-60.4	-2.6	-15.2
2nd	-14.6	14.9	-21.5	21.9	-0.9	21.4	-51.4	46.9	-11.3	12.8
3rd	12.4	-34	1.3	-33.6	-17.8	-14.5	-1.9	5.2	0	0.1
4th	5.7	-11.5	1.8	-12.3	3.1	-7.6	6.2	0.4	4.3	-0.8
5th	11.7	-9.9	9	-12.1	-1.6	-4	-2.9	1.5	-0.4	-0.7
6th	9.4	-1.8	6.7	-4.6	11.5	-2.8	-1.1	-2.1	-1.9	-0.7
7th	25	-1.4	17.6	-4	5.4	-12.3	0.1	-1.5	3	-1.1
8th	-5.6	21.8	-0.4	15.7	0.6	-20.4	-0.8	1.9	-0.8	2.9
9th	-3.5	4.7	-0.5	3.4	-4.1	13.2	-0.2	0	-0.3	-0.1
10th	-1.1	1	-0.6	0.5	-9.8	2.6	0.3	-1.1	-1.3	0.8
11th	-11.1	-3.5	-6.3	0.3	16.5	18.4	-3.3	-1.3	1.7	1.5
12th	-0.4	-4	-0.9	-2.4	9.7	4.1	-0.5	-2.5	-0.5	1.8
13th	0.8	0.9	-0.4	-0.4	-8	1	-0.8	-2.1	-0.1	1
14th	-3.8	2	-0.2	1	-10.5	6.4	1.2	-2.2	-2.1	1.9
15th	-6.4	3.7	-0.6	2.1	6.9	4.1	2.1	-3	-2.7	2.7
16th	-2.2	-1.6	-1.4	-0.1	-6.4	4.2	1.5	0.1	-2	0.5
17th	0.8	-0.4	-0.1	-0.6	-29.1	-17	0.1	0.6	-1.4	-0.2
18th	1.3	0	0	-0.5	-8.5	9.6	-0.1	0.9	-1	0.5
19th	1.6	0.3	0	-0.2	-18.3	21.2	0.3	0.4	-0.9	1.1
20th	-1.7	0.5	0.3	-0.1	2.2	-15.8	-0.1	0	1	0.2

RUN 30   PT 18

V/OR = 0.200   ALFS,U = 10.01   CLRH/S = 0.077058   CTH/S = 0.078438
VKTS = 80.1   MTIP = 0.606   CXRH/S = -0.014684   CP/S = -0.000548

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-143		615.8		365.2		1422.3		-4.5	
RMS	355.4		325.7		367.7		302.6		111.5	
1/2 P-P	570.4		587.4		700.8		563.1		226.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-359.9	339.8	-341.6	274.3	-358.8	303.9	-294.9	200.8	34.9	137.2
2nd	53.7	-17.4	81.2	-40.7	132.2	-100.6	118.7	-111.4	2.2	2.3
3rd	13.2	55.9	-3.5	72.8	3.8	78.8	-4	35.9	41.7	-41
4th	2.2	-6.5	-12.7	-15.3	-7.2	-27.7	-8.6	-43.8	-12.5	-7.2
5th	-5.6	10.5	13.1	-55.9	33	-108.6	49	-148.8	-3.1	19.8
6th	0.1	14.1	-4.7	16.7	-5.4	17.9	-1.2	2.2	8.2	13.3
7th	4.2	5.2	-11.5	4.7	-9.3	0.6	10	-12.6	4.9	-8.4
8th	-6.2	0.1	-2.2	-15.6	0.6	-8.5	1.6	6.9	-7.3	5.2
9th	-11.5	8.1	-4.7	1.3	0	0.2	4.3	-5.8	-6.5	-2.2
10th	9	-7.2	4.9	-7.6	0.9	-0.1	-4.9	3.6	2	7.1
11th	19.6	0	25.8	-5.5	5.3	-0.7	-18.1	-0.7	-1.9	-3.6
12th	-6.4	1.5	-7.3	6.7	-6.2	3.1	1.6	-6.6	-2.9	6
13th	-11.5	-8.1	-25.9	-5.9	-17.3	-2.5	4.6	-0.2	3.6	0.3
14th	-0.1	-0.7	3	-3.7	0.2	2.3	0.4	-0.4	-11	-2.1
15th	-0.3	-2.3	7.6	-8.6	2.1	1.1	1.7	-1.2	-6.4	2.3
16th	1.1	0.2	2.7	2.8	-2.5	3.2	-0.7	1.1	2.2	3.6
17th	2.7	1.1	-1.3	2.5	-3	0.5	-2.4	1.1	-0.9	2
18th	-2.7	0.6	0.7	0.9	4.2	-1.5	-0.2	0.2	2.9	5
19th	-4.7	4.6	0.5	-2.7	4.9	-10.3	-0.4	-4.2	3.8	-2.3
20th	10.6	-3.7	-2.3	2.5	-12.1	14.5	-7	7.8	-3.9	-3.5

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RUN 30   PT 19

V/OR = 0.200	ALFS,U = 10.01	CLRH/S = 0.076983	CTH/S = 0.078359
VKTS = 80.1	MTIP = 0.606	CXRH/S = -0.014657	CP/S = -0.000548

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	147.5		-21.2		2192.6		-115.9		-52.6	
RMS	44.6		53.7		329.3		68.7		18.1	
1/2 P-P	133.6		101.1		642.1		124.6		38	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	5.8	-8.6	15.2	-47.1	56.9	44.4	27.9	-60.1	-3	-15.1
2nd	-14.4	14.4	-21.2	21.5	-16.4	20.9	-52.3	46.4	-11.6	12.4
3rd	12.7	-34.2	1.6	-33.7	62.2	-29.6	-2.2	5.1	0.1	-0.1
4th	6.5	-11.6	2.7	-12.6	-10	-31.2	5.6	0.4	4.4	-1.1
5th	12.8	-.9	10.2	-11.4	-16.8	-0.8	-3.4	0.8	-0.2	-1
6th	9.3	-1.5	6.7	-4.2	-11.6	0.9	-0.7	-2.3	-1.7	-0.7
7th	26.3	-0.2	18.8	-3.3	-1.3	11.9	0.4	-1.6	3.3	-1
8th	-6.9	23.7	-0.9	17.3	31.7	21.1	-1	2.2	-1	3.2
9th	-4.5	5.2	-1	4	5.5	9.5	-0.4	0.2	-0.4	-0.4
10th	-1.9	1.4	-0.8	0.7	10.1	12.2	0.2	-0.8	-1.2	0.6
11th	-13.5	-2.2	-7.2	1.5	-1.9	-1.3	-4	-0.5	2.2	0.9
12th	-0.8	-4.6	-1.1	-2.6	-3.4	9.2	-0.5	-2.7	-0.3	2
13th	0.6	0.1	-0.5	-0.7	3.7	10.2	-0.8	-2.2	-0.1	1.2
14th	-4.1	1.3	-0.3	0.8	-8.5	14.2	1.2	-2.1	-2.1	1.9
15th	-6.3	2.6	-0.7	1.9	10.1	6.2	2.1	-2.9	-2.7	2.7
16th	-2.9	-2.8	-1.6	-0.3	-3.4	5.8	1.9	0.4	-2.3	0.4
17th	0.9	-1.7	-0.1	-0.9	0.2	-3.2	-0.1	0.8	-1.4	-0.3
18th	1.2	-0.8	-0.1	-0.5	-4.5	1.9	0	0.9	-1.2	0.6
19th	2.5	-1.1	-0.3	-0.3	-13.2	-9.8	0.5	0.4	-1.5	1.9
20th	-0.2	0.7	0.2	-0.3	-1.7	-5.9	0.1	-0.1	-0.7	0.4

RUN 30   PT 19

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-143		616.4		365.8		1422.3		-5.7	
RMS	354.9		324.7		365.4		300.4		112.6	
1/2 P-P	569.6		590.6		700.8		557.8		231.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-358.3	340.1	-340.1	273.7	-355.4	302.5	-292.2	199.5	37.8	137.2
2nd	55.2	-18.5	81.9	-41.3	133.5	-101	120.2	-111.6	2.8	2.1
3rd	12.7	57.1	-4.2	73.6	3.7	78.4	-4.8	36.1	42.7	-42
4th	0.4	-5.9	-15.2	-15	-9.9	-28.1	-10.2	-44.2	-12.4	-6.8
5th	-7.3	11.3	12.3	-53.4	33.4	-105.9	51.2	-144.3	-2.6	20.6
6th	0.5	12.8	-4.9	17.1	-6.6	19.2	-1.8	5.7	9	14.8
7th	4.6	6	-12.4	4.5	-10.9	-0.9	10.3	-12.9	3.7	-9
8th	-5.7	-0.3	-1.4	-17	1.7	-9.7	1.2	8.7	-7.7	6.8
9th	-11.6	7.2	-4.7	0.5	-0.1	-0.8	3.7	-4.5	-7.2	-2.1
10th	9	-6.1	5.3	-7	1	0.1	-5.3	3.3	1.6	7
11th	19.1	-0.2	26.5	-6.8	5.3	-0.6	-19.1	0.4	-2.5	-3.8
12th	-5.9	1.6	-6.4	7	-5.2	2.7	0.8	-6.4	-3.6	5.5
13th	-11.1	-8	-25.2	-5.8	-17.4	-2.8	4	-0.2	3.3	0.1
14th	-0.1	-0.4	3.7	-2.9	0.4	2	0	-0.4	-10.6	-3
15th	0	-2.3	8	-8.1	2.3	0.7	1.5	-0.8	-6	0.4
16th	1.4	0.3	3.7	4	-2.8	2.8	-1	1.7	2.7	3
17th	2.7	1.2	-1.6	3.4	-3.5	-0.6	-2.9	1.7	-2.5	2
18th	-2.5	0.7	1	1.6	3.5	-2	-0.4	1.3	3.7	4.5
19th	-4.7	4	1	-0.5	4.6	-10.9	-0.6	-1.2	4	-2.8
20th	10.5	-4.6	-2.9	3.2	-9.7	-9.7	-8.7	9.5	-3.2	-2.2

RUN 30   PT 20

V/OR = 0.200   ALFS,U = 10.01   CLRH/S = 0.088538   CTH/S = 0.090082
VKTS = 80.1   MTIP = 0.606   CXRH/S =-0.016635   CP/S =-0.000546

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	167.5		-7.6		2524.9		-119.1		-20.9	
RMS	49		54.6		186.7		72.6		20.7	
1/2 P-P	135.9		107.4		586.9		131.9		47.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	6.3	0.2	15.6	-45.8	62.5	-52	24.6	-62.4	-6.7	-15.9
2nd	-11	14.2	-21	20.3	18.8	26.8	-60	45.8	-13.8	12.8
3rd	11.9	-37.6	0.3	-34.4	-36.6	4.1	-1.9	10.3	-0.1	0.2
4th	6.7	-12.6	1.9	-13.7	23.9	-6.2	7.4	0.3	5.3	-1.3
5th	6.4	-9.9	2.4	-11.3	-4	-15.2	3.6	-2	2.1	-1.8
6th	10.2	-6.7	7.2	-7.5	-8.7	37	-1.2	-2.4	-2.2	-1.2
7th	24.6	-6.6	17.4	-7.7	3.5	-44.1	-0.3	-1.6	3.2	-2.6
8th	-3.6	30	1.7	21.2	14.5	23	-0.7	3.2	0.1	4.5
9th	-3	7.3	-0.5	5.6	-25.1	16.3	-0.1	0.8	-0.4	0.5
10th	-3.1	2.8	-1.1	1.7	0.6	-46.9	-0.1	-0.2	-0.7	1
11th	-27.2	-5.1	-15.3	1.6	24.4	21.6	-8.9	-0.4	6.4	1.5
12th	-1.9	-7.6	-2.2	-3.3	2	15.7	-1.4	-2.9	0.8	2.5
13th	0.5	-1.1	-0.5	0.1	-23.1	-9.4	-0.8	-1.6	-0.5	1
14th	-4.1	3.4	-0.5	1.1	13.9	-9.2	0.3	-3.2	-1.1	3.1
15th	-3.8	8.3	0.4	3.3	-0.6	8.3	-0.7	-4.6	-0.3	4.7
16th	-3.1	-1.1	-0.9	0	-13	1.3	0.7	-0.5	-1	1
17th	-1.6	-1.5	-0.8	-0.7	17.1	-20.2	0.6	0.7	-0.9	-0.3
18th	-1.2	-0.6	-0.5	-0.3	6.5	27.2	0.2	0.8	-0.5	0.8
19th	-1.2	-1.9	-0.1	0.2	-19.3	-7.7	0.4	0.1	0.6	2.2
20th	-2.6	-4	0	0.2	11.7	-22.1	-0.2	-0.1	1.8	3

RUN 30   PT 20

V/OR = 0.200	ALFS,U = 10.01	CLRH/S = 0.088538	CTH/S = 0.090082
VKTS = 80.1	MTIP = 0.606	CXRH/S = -0.016635	CP/S = -0.000546

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-150.3		597.4		348.6		1419.6		-29	
RMS	383.8		343.5		384.1		301.9		134.1	
1/2 P-P	571		572.3		648.2		529.1		250.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-313.8	432.6	-309.7	346.1	-337.1	370.9	-282.5	244.3	46.6	164.6
2nd	69.1	-37.4	98.4	-62	156.5	-118.9	141.1	-125.8	15.3	0.2
3rd	-2.4	4.7	-23.4	31.3	-13.4	35.2	-19.6	1.5	46.7	-54.4
4th	12.2	11.7	3.5	8	12.5	-3.8	9.4	-21.6	-11.6	-7.5
5th	-6.3	38.8	-24	23.6	-35.1	4.9	-38	-27.2	2	17.5
6th.	-7.8	10	-5.8	26	-2.4	32.4	5.4	16.4	2.7	9.8
7th	-18.4	5.5	-15.5	7.5	1.8	-2.1	31.1	-22.8	-3.2	-5.2
8th	-0.5	-5.1	-2	-22.6	2	-9.3	1	19.5	-2.5	14
9th	5.5	-11.3	2.3	-13.5	2	-2	-1.1	9.9	0.6	1.3
10th	-1.7	-5	-0.7	-6.3	-1.1	0.8	-0.1	1.9	2.5	4.8
11th	14.2	17.7	37.4	8.1	3.2	6.6	-26.9	-9	-2.9	0.1
12th	3.5	8.5	7.5	14.1	0.5	5.4	-5.7	-8.9	3.1	3.8
13th	-3.5	-2.3	-6.4	1.4	-3.7	2.1	-0.8	-0.2	5.8	-9
14th	-1.5	-0.2	-1.2	-3.9	-3.3	3.1	0.5	-0.7	-15.5	-0.5
15th	-1	-0.9	-5.7	-2.9	-4.8	11.5	-0.4	-1.2	-6.6	3.9
16th	-0.8	0.2	2.8	1.2	-1.6	1.5	0	0.8	0.4	5.1
17th	0.9	1.7	1.3	1	-3.4	-2.6	-0.6	0	1.3	2.8
18th	0.2	0.6	2.4	0.1	-0.5	-1.7	0.8	-0.2	1.4	3.1
19th	-2.5	-0.3	3.5	0	2.1	-3.4	4.7	1.6	5.6	-2.2
20th	5.5	5.8	0.1	0.2	-17.5	-4.6	-3.1	2	2.2	-4.3

RUN 30   PT 21

V/OR = 0.201   ALFS,U = 10.01   CLRH/S = 0.098537   CTH/S = 0.100239
VKTS = 80.1   MTIP = 0.605   CXRH/S = -0.018423   CP/S = -0.000508

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	185.1		3.6		2301.2		-120.9		-49	
RMS	49.7		54.4		324		76.4		22.9	
1/2 P-P	166.4		117.3		542		142.9		55.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	7.4	9.2	16.3	-44.3	85.5	-34.9	21.9	-64.6	-9.6	-17.1
2nd	-8.8	13.9	-21.5	19.3	-48.7	-5.6	-67.7	44.5	-16.1	13.2
3rd	8.8	-40.2	-1.6	-35.2	-58.3	-36.7	-0.5	13.6	-0.1	0.7
4th	6.3	-15.4	1.3	-15.8	20	20.4	8	-0.6	5.9	-1.4
5th	7.1	-7.3	3.5	-7.3	-17.8	16.5	1.1	-8	0.7	-3.4
6th	10.5	-7.7	7.4	-8.8	-26.5	-43.7	-1.8	-2	-3.2	-1
7th	26.3	-3.8	19	-6.5	22.2	-39.2	-0.7	-1.2	3.4	-2.5
8th	-0.7	30.9	3.9	22	-11.5	27.3	-0.5	3.4	1	5
9th	-2.3	6	0.5	4.6	28.2	-5.5	0	0.9	-0.1	0.6
10th	-3.1	3.5	-1	1.6	-12.9	15.2	0.2	0.4	-1.1	1
11th	-22.1	-0.1	-11.8	3.7	-59.7	30.4	-6.7	1.3	4.4	0.6
12th	-2.1	-7.4	-1.6	-3.6	10.2	-14.1	-0.5	-2.7	0.4	2.2
13th	0	-0.3	-0.6	-0.1	21.2	-25.1	-0.5	-1.8	0.5	1.3
14th	-3.6	2.2	-0.4	1.3	8.4	-21.2	0.7	-2.5	-1	2.9
15th	-5.4	7.3	0.2	3.1	-20.1	-3.9	0.5	-5	-0.7	5.2
16th	-4.4	-3.1	-1.9	-0.3	7.4	-5.7	1.7	-0.3	-1.5	1
17th	-1.9	-3.3	-1	-0.8	1	3.6	0.8	0.6	-0.9	0
18th	-2.2	-3.3	-0.9	-0.5	-12.1	26.9	0.8	0.8	-0.3	1.1
19th	-2.7	-4.1	-0.4	0.2	6.4	1	0.5	-0.3	0.8	2.6
20th	0.6	-4.1	-0.4	0.1	-1	4.4	-0.2	-0.2	-0.7	4.4

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RUN 30   PT 21

V/OR = 0.201
VKTS = 80.1

ALFS,U = 10.01
MTIP = 0.605

CLRH/S = 0.098537
CXRH/S = -0.018423

CTH/S = 0.100239
CP/S = -0.000508

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-142.5		593		342.8		1420.3		-46.3	
RMS	403.8		364.3		414.5		326.4		148.4	
1/2 P-P	601.9		624.1		734.7		667.3		290.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-262.5	492.2	-274.7	394.5	-312.8	422.3	-268.8	279.1	54.7	183.9
2nd	84.3	-34.5	117	-66.1	182.9	-125.9	167.1	-133.1	22.3	-0.1
3rd	-51.6	-1.6	-69.6	29.5	-56.3	28.6	-53.7	-5.2	44.9	-59
4th	26.2	2.7	22.1	-3.5	34	-20.1	30	-38.3	-6.3	-4.5
5th	14.4	45.2	42.5	64	60.8	72.9	67.1	52.1	6.1	10.6
6th	-7.1	12.6	-2.4	34.1	2.3	44.1	10.1	26.8	0.6	15.4
7th	-15.8	16.2	-14.6	9	0.9	-8.5	28.6	-32	2.2	-2
8th	0.8	-5.5	-1.6	-21.9	4.5	-9.6	7.1	20.8	2.4	8.9
9th	-10	-4.1	-5	-6	1.5	-1	8.1	3.6	-3.3	-1.9
10th	-5.1	6.1	-1.3	0.8	0.1	3.5	1.9	-0.9	2.1	8.9
11th	18	8.4	32.3	-3.3	4.1	3	-23.6	-1.1	1	-3.1
12th	-1.3	-11.5	-3.6	-7	-5.5	-7.2	-2.2	-0.2	-3.8	3.3
13th	-4.9	-9.1	-15	-10.3	-9.8	-5.5	1.6	3.5	9.4	-3.4
14th	-0.3	-2.2	0.5	-2	-1.3	3.6	1.3	0.2	-14.4	-4.2
15th	-0.7	-2.4	1.7	-9.4	0.6	4.9	1.4	-1.6	-3.8	3.2
16th	1.3	0.4	7.4	3.2	-1.2	2.4	1	1.4	-0.9	5.5
17th	2.7	-4.4	3.2	6.2	-3.1	5.6	0.9	4	0.1	1
18th	2.5	0.5	1.2	2.3	-8.3	-1.1	-0.1	2.5	2.8	4.4
19th	9.9	1.8	-0.9	3	-18.4	2.9	-3.5	6.4	4.8	-5.5
20th	6.2	0.9	-0.5	3.6	-11.7	0.7	-5.1	10	2.2	1.3

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RUN 30   PT 22

V/OR = 0.201   ALFS,U = 10.01   CLRH/S = 0.108966   CTH/S = 0.110792
VKTS = 80.1   MTIP = 0.606   CXRH/S = -0.020049   CP/S = -0.000333

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	204.6		16.4		2583.1		-122.3		-48.3	
RMS	50		55.3		41.2		80.9		24.6	
1/2 P-P	140.5		109.3		251.9		155.3		60.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	15.1	14.4	20	-44.9	1.4	-0.6	19.7	-67.8	-12.3	-17.6
2nd	-5.8	14	-21.9	18.4	-4.1	-3.9	-75.2	43	-17.9	13
3rd	4.8	-38.5	-3.8	-34	-2.2	-0.5	3.3	15.8	0.5	0.5
4th	4.2	-17.2	-0.8	-17.6	1.9	3.9	9	-1.7	6.7	-1.6
5th	9.5	-7.4	8.1	-6.8	-6.5	-3.4	-5.1	-9.6	-2.4	-3.8
6th	8.7	-8.7	5.9	-9.7	-3.6	5.8	-1.4	-1	-4.3	-0.4
7th	29.7	-2.4	21.8	-6	-3.5	-6.1	-0.7	-0.9	4.4	-1.7
8th	4.1	27.9	7.4	19.5	-3.2	-2.2	-0.2	3.1	2.5	4.5
9th	-0.1	6	1.9	3.8	-0.1	1.9	0.9	0.9	-0.2	0.4
10th	1.7	2.7	1.6	1.4	0.8	-4.4	1.8	-0.1	-2.1	1.4
11th	-14.4	5.2	-6.8	6.1	-4.9	6	-3.3	2.4	2.4	-0.6
12th	-4.7	-7.2	-3.2	-3	-0.7	-1.4	-1.1	-2.5	1	1.2
13th	-1	-0.2	-1.4	0.6	-5.1	-1.9	-0.9	-1.5	0.6	0.5
14th	-5.7	4.9	-0.1	2	-3.2	0.6	1.1	-4.1	-1.9	4
15th	-6.6	11	0.4	4.6	3.3	-4	0	-6.8	-0.9	6.4
16th	-6.1	-2.1	-1.8	0.7	-5.1	2.3	1.8	-1	-1.7	0.9
17th	-2.9	-5	-1.5	-1.6	3.7	1.3	1.4	1.8	-1.9	-1.5
18th	-2.7	-3.4	-0.9	-0.5	-4	1.8	1	1.2	-1.5	0.3
19th	-3.5	-3.3	-0.2	0.1	-5.4	1.6	0.1	-0.1	-0.3	1.9
20th	-2.6	-2.1	-0.1	0.2	3.1	-0.1	-0.4	-0.3	-0.3	2.6

RUN 30   PT 22

V/OR = 0.201   ALFS,U = 10.01   CLRH/S = 0.108966   CTH/S = 0.110792
VKTS = 80.1   MTIP = 0.606   CXRH/S = -0.020049   CP/S = -0.000333

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3
MEAN	-123.9		594.7		339.5		1423.6		-64.1
RMS	428.2		391.8		454.7		367.3		162.6
1/2 P-P	637.9		701.6		861.3		757.1		298.5

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-183.6	554.6	-220.1	449	-273.3	480.9	-246.2	320.8	66.7	204.4
2nd	107.4	-22.7	142.9	-65.1	217.1	-129.8	197.4	-139.8	27.6	4.9
3rd	-93.1	35.4	-106.2	65.1	-92	56.2	-84.8	16.3	37.7	-58.6
4th	16.3	-8.3	13.3	-17.7	26.3	-39.8	21.6	-58.5	-5.5	-4.5
5th	21.9	32.1	98.3	38.9	152.1	40.9	172.6	19.1	3.9	4.7
6th	-9.5	15.2	5.8	35.7	18.9	46.4	23.8	27.6	10.4	17.6
7th	-14.4	18.7	-15.7	7.6	0.6	-13.3	31.6	-35.5	4.1	-5.8
8th	-3.8	-6.8	-4.4	-21.3	6.1	-11.8	16	17.1	2.2	6.4
9th	-7.3	6.6	-3.1	-1	2.3	-0.7	7.9	-1	-1.9	-2.4
10th	15.4	2.4	9	-5	4.4	-1.1	-3.5	-0.4	-0.4	4
11th	20.4	-6.1	24.1	-19.6	4.6	-3.5	-18.6	9.4	3.1	-4.9
12th	7.4	17.5	16.1	19.4	3.2	9.1	-9.6	-9.4	-3.2	2.5
13th	-8.4	-1.3	-15.6	7.3	-11.5	8.3	2.8	-0.3	7.6	-5.7
14th	-3.7	-0.8	-0.8	-3.9	-3.1	6.2	2.9	-1	-16.8	1.5
15th	-2.6	-1.1	-10.6	-7.7	-11.8	12.1	1	-2.5	-4.7	-3.3
16th	0.8	-0.5	3.5	-0.1	-7.3	0.7	0.5	1.2	-1.4	0.8
17th	-1.4	2.1	5	2.7	-2.6	-5.4	1.6	0.8	1.1	5.3
18th	0.2	0.5	2	1.7	-5.3	-2.8	1.7	1.7	2.4	2.7
19th	-6.3	0.1	6	-0.2	3.4	-6.3	9.6	-0.2	-0.2	-1.8
20th	0.3	-4.2	3	1.2	-0.2	4.1	5.5	6.2	1.5	-0.5

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RUN 30   PT 23

V/OR = 0.201   ALFS,U = 10.01   CLRH/S = 0.119282   CTH/S = 0.121245
VKTS = 80.1   MTIP = 0.604   CXRH/S = -0.021740   CP/S = -0.000104

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	224.2		29.3		2521.1		-123.2		-36.1	
RMS	53.6		56		181.7		84.9		27	
1/2 P-P	138.5		106		545.6		165.5		65.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	23.6	24.2	24.1	-43.3	-24.1	27	19.9	-72.5	-15.8	-20
2nd	-1.1	13.3	-21.2	17.1	-30.3	0.2	-80.7	39.7	-19	11.8
3rd	3.2	-36.8	-5.2	-33	-27.8	-16.7	6.4	15.9	1.5	-0.1
4th	3.9	-21.6	-1.7	-21.4	-50.5	-22.6	9	-2.1	7.4	-1.8
5th	10.1	-10.4	10.1	-9.9	-34.1	0.7	-9.6	-7.5	-4.1	-3.4
6th	9.9	-7.9	7	-10.2	-12.4	12.6	-2.5	-0.3	-4.5	0
7th	32.6	-4.4	24.1	-8.4	-8.5	-9.2	-1.2	-0.5	5.1	-2
8th	8.4	22.8	10.6	14.6	-16.3	-1.5	0.1	2.7	3.8	3.1
9th	2.6	5	3.1	2.6	-2.7	-1.9	1.8	0.5	-0.4	0.9
10th	3	-0.9	2.8	-0.5	-7.4	1.8	2.5	-1.3	-2.1	2.5
11th	-9.4	6.5	-3	6	-5.4	-9.1	-1.3	2.4	1.4	-1
12th	-7	-4.2	-3.5	-0.8	-4.5	11	-1	-1.6	1.2	0.3
13th	-2.7	1.8	-1.1	1.7	12	3.3	0	-1.3	-0.3	0.5
14th	-5.8	8.5	-0.2	3.1	8.7	2.7	0.6	-5	-1.7	5
15th	-7.7	8.2	0.4	4.4	6.9	-0.9	0.3	-5.7	-1	5.1
16th	-6.8	-1.2	-1.6	1.2	7.3	9.8	1.8	-1.1	-1.4	0.3
17th	-4.4	-4.4	-2.2	-1	6.5	1.9	1.7	1.7	-1.9	-2.3
18th	-5.1	-1.7	-0.9	-0.2	1.7	10.8	0.8	0.6	-1.1	-1
19th	-7.5	1.1	-0.5	0.4	5.8	12.1	0	-0.3	-0.3	-1.1
20th	-8.2	-4.8	-0.4	1.1	-0.9	4.9	-1.4	-0.2	3.3	2.6

D-347

RUN 30 PT 23

V/OR = 0.201 ALFS,U = 10.01 CLRH/S = 0.119282 CTH/S = 0.121245
VKTS = 80.1 MTIP = 0.604 CXRH/S = -0.021740 CP/S = -0.000104

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-113.5		586.1		327.3		1414.4		-81.6	
RMS	446.7		415		494.8		406.2		180.7	
1/2 P-P	653.9		723.5		916.7		808.9		324.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-113.7	588.4	-171.8	483.2	-236.9	529.6	-225.6	359.7	77.2	227.3
2nd	138.9	-44.1	175.5	-91.2	260.1	-154.3	235.9	-157.6	38.1	9.1
3rd	-85.5	63.6	-100.5	86.3	-89.7	68.2	-81.8	22.8	37.6	-61.5
4th	45.8	-40.7	54.3	-65.8	75.2	-97.2	67.8	-118.5	-6.8	-6.3
5th	20	28.2	108.8	16	169.9	4.8	191.9	-26.1	4.1	1.8
6th	-9	24.1	6	36.1	18.4	39.2	22.7	17.9	10.1	18.1
7th	-15	19.2	-18.3	9.5	-3.2	-13.2	31.1	-39.2	5.6	-4.3
8th	-11.6	0.5	-9.5	-12.9	3.3	-9.2	22.2	8.3	1.8	3.8
9th	-1.6	7.3	-0.6	0.2	3.3	0.8	7.8	-1.7	-0.1	-0.1
10th	5.6	-13.7	-0.4	-11.7	0.5	-4.3	2.7	3.3	-5.6	0.8
11th	10.7	-21.3	7.8	-30.6	-0.9	-8.6	-8.8	17.6	-2.2	-5
12th	31.4	-11.2	31.6	-21.1	11.3	-10.7	-14.9	7.7	-1.2	0.7
13th	-0.4	0.4	2.1	3.1	1.3	8.3	-0.5	0.8	5.8	-2.1
14th	-2.6	0.6	-4.4	-3	-5.8	11.3	3.3	-2.3	-9.9	6.2
15th	-1.6	-0.1	-1	0.1	-4.9	16.9	2.7	-0.8	-9.4	-7.4
16th	0.8	-0.1	5.5	10.2	-5.3	15.3	1.6	4.6	0	0.5
17th	4.1	0.1	3.3	3.8	-9.5	0.5	0.6	2.5	0	4.4
18th	-1.6	-0.7	5.6	2	-1	1.9	6.6	1.1	1	1.7
19th	5.3	7.3	0.6	-3.7	-17	-0.1	0.3	-7.1	0	2.2
20th	4.9	4.8	2.7	-0.9	-21.2	0.1	4.8	1.7	1.3	-2.8

D-348

RUN 63 PT 28

V/OR = 0.251
VKTS = 100.3

ALFS,U = -15.00
MTIP = 0.606

CLRH/S = 0.030253
CXRH/S = 0.007253

CTH/S = 0.031099
CP/S = 0.003329

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	102.8		-4.6		350.3		-14.6		-32.5	
RMS	38.8		24.4		36.2		56		15.1	
1/2 P-P	79		56.6		65.7		98.8		30.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	34.2	37.2	25	-2.9	27.7	-32.8	24.4	-62.2	-6.1	-16.9
2nd	8.8	4.7	5.5	9.9	6.3	16.8	-19.4	20.8	-4.5	7.2
3rd	5.8	1.3	13.2	-0.3	16.8	0.7	14.7	24.9	0.3	6.1
4th	9	6.2	10.4	3.2	8.3	1.8	-5.5	4	-0.7	0.9
5th	4.2	6.7	7.9	4.6	8.5	3.6	-9.1	-2.9	-2	-1.1
6th	-4	4.6	-1.6	4.5	-0.8	3.2	0.6	-2.7	0.1	-0.6
7th	2.8	-3.8	1.6	-1.3	0.2	0.9	0.1	-1	0.5	-0.7
8th	1.8	1	1.8	0.7	0.5	0.9	0.2	-0.2	0.8	-0.1
9th	1.2	-0.5	-0.4	-0.3	-1	0.3	0	-0.3	-0.4	0.4
10th	2.2	-2.2	1	-1.7	0	0.3	0.4	-1.4	-0.1	1.2
11th	3	5.1	2.5	1.7	0.1	-1.2	1.9	0.7	-1.5	-0.6
12th	-0.2	1.3	0.3	0.6	0.1	0.1	0.3	0.2	-0.5	-0.1
13th	0	1.5	0.1	-0.3	0.2	-0.7	0.2	-1	-0.5	1
14th	0	0.7	0.1	0.2	0.2	0.2	0.3	0.1	-0.2	-0.1
15th	3.8	0.2	0.8	-0.8	-1.2	0.7	-1.4	0.7	1.2	-0.2
16th	0.5	0.4	-0.1	-0.3	0.2	0.3	0.4	0.3	-0.4	-0.4
17th	0.9	1.8	0.5	-0.2	-0.2	-0.4	-0.4	-0.3	0.7	-0.1
18th	0.3	1.3	0.1	-0.1	-0.1	-0.4	-0.2	-0.2	-0.4	-0.3
19th	0.2	1.9	-0.1	-0.4	-0.2	-0.9	0.4	0.3	-0.3	-1.2
20th	-1	0.6	-0.1	0.2	0.6	-0.4	0.1	0	0.4	-0.3

D-349

RUN 63 PT 28

V/OR = 0.251	ALFS,U =-15.00	CLRH/S = 0.030253	CTH/S = 0.031099	
VKTS = 100.3	MTIP = 0.606	CXRH/S = 0.007253	CP/S = 0.003329	

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	21.1		754.3		300.1		1218.4		-162.4	
RMS	291.2		216.2		225.7		191.2		98.6	
1/2 P-P	482.4		412.4		451.2		383.6		175.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	123.1	384.5	75.8	284.1	16.7	296.4	-36	239.4	81.2	108
2nd	-5.2	-6	-14.5	-14.2	-27.8	-42.1	-16.3	-47.9	20.1	11.7
3rd	-59.2	-43.2	-59.9	-24.5	-77.8	-13.8	-59.4	-14.1	-10.9	-7.9
4th	-1.6	7.2	8.1	1.7	15.2	3.9	31.2	3.2	5	9.9
5th	-11.5	-15.7	27.1	-27.6	52.6	-33.5	73	-32.2	-10.4	7
6th	-5.9	-6.9	1.7	-9.9	7.7	-10.5	8.2	-4.3	-2.7	-2.6
7th	8.1	-16.4	1.7	-2.5	1.4	6.4	-0.1	14.4	0.5	-3.8
8th	-1.9	-1.7	-1.6	-1.6	0.7	-2.9	2.5	-0.9	-1.8	-0.6
9th	13.2	-3.6	6.3	-3.2	2.4	-1.4	-7.9	1	2.2	-1.3
10th	3.8	1.3	2.2	2.7	1	-0.6	-1	-2.7	-0.6	1.8
11th	2.8	7.5	0	2.6	2	2.4	1.4	-1.5	-2.4	2.3
12th	10.8	2.3	13.1	-2.1	7.4	-1	-4.7	0.9	0.8	-0.2
13th	-0.7	-1.9	-4	-3.3	-3.3	-1.4	1.1	-0.1	-3.9	2.3
14th	-0.1	0	-1.6	0.8	-1.7	0.6	0.6	-0.2	-1	0.5
15th	-1	0.4	-3.4	1.4	1.5	-1.7	-0.8	0.3	2.5	1.9
16th	0.2	0	0.8	0.9	0.7	0.4	-0.1	0.4	0.4	0.3
17th	-1.6	1.8	-1	-2.1	1.2	-3.1	0.5	-2.2	0.3	-0.4
18th	-0.6	1	1	-0.8	1.9	-0.9	0.7	-1.2	0.5	0.7
19th	1.2	5.9	-2.1	-2.9	-6	-6.1	-3.8	-6.5	-0.7	-0.1
20th	3.5	2.9	-0.4	-0.9	-7.4	0.2	-2.7	-2.1	-0.1	-0.3

D-350

RUN 63 PT 29

V/OR = 0.252
VKTS = 100.4
ALFS,U = -15.00
MTIP = 0.604
CLRH/S = 0.039711
CXRH/S = 0.009832
CTH/S = 0.040903
CP/S = 0.004147

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	127.4		11.3		358.6		-17.4		-30	
RMS	46.2		27.5		39.3		60.9		17.6	
1/2 P-P	93.5		60.1		64		103.1		31.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	46	38.8	31	-5.7	32.6	-37.1	26.7	-67.1	-10.1	-18.9
2nd	10.4	6.5	5.4	11.8	5	18.5	-27.8	16.9	-6.3	7.1
3rd	1.2	11.9	9.4	6.4	12.7	5.8	11.8	30	-1	7
4th	8.6	5.9	9.9	2.8	7.6	0.8	-6.4	6	-0.3	1.4
5th	3.5	7.3	5.2	2.5	3.5	-0.2	-4.6	0	-0.6	0.7
6th	-1.9	7.2	-0.5	5.6	-0.9	3.1	0.8	-2.5	0.1	-0.4
7th	-3.3	-3.5	-2.2	-1	-1	0.8	0	-1.3	-0.4	-1
8th	0.7	3.5	1	2	0.2	1	0.4	0.2	0.5	0
9th	-0.6	0.7	-0.1	0.1	0.2	0.2	-0.3	0.2	0.2	0.1
10th	1.6	0	0.7	-0.6	-0.1	0	0.5	-0.4	-0.1	0.3
11th	6.2	4.4	4	1.1	-0.3	-0.4	2.7	0.6	-2.3	-0.4
12th	0.4	1.4	0.7	0.7	0.1	-0.1	0.6	0.3	-0.6	-0.1
13th	-0.5	1.5	0.4	0.6	0.2	-0.3	0.6	-0.3	-0.7	0.3
14th	-0.1	0.8	0.1	0.1	-0.1	-0.1	0	0	-0.2	-0.1
15th	1.3	1.7	0.9	0.1	-0.6	-0.3	-0.7	-0.4	0.7	0.6
16th	0.6	0.3	0.2	0	0.1	0.5	0	0.4	0	-0.3
17th	0	1.9	0.3	0.3	-0.1	-0.6	-0.3	-0.5	0.4	0.2
18th	0.1	0.7	0	-0.2	0.1	0.2	0.1	0	-0.2	-0.3
19th	-0.5	1.4	0.1	-0.1	0.1	-0.4	0	0.2	0.2	-0.8
20th	1.1	-0.9	0.2	0	0	1.1	-0.1	-0.2	-0.1	1.2

D-351

RUN 63   PT 29

V/OR = 0.252   ALFS,U = -15.00   CLRH/S = 0.039711   CTH/S = 0.040903
VKTS = 100.4   MTIP = 0.604   CXRH/S = 0.009832   CP/S = 0.004147

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	41.1		756.6		300.1		1215		-174.2	
RMS	316.1		244.5		263.5		226.6		119.2	
1/2 P-P	548.4		504.5		534.9		452.9		203	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	221.2	376.7	138.7	285.2	58	313.1	-18	257.8	104.9	126.2
2nd	10.4	5	-3.4	-12.1	-16.4	-43.8	-4.8	-49.1	20.8	16.8
3rd	-81	10.8	-80.9	21.3	-100.7	26.1	-80.2	16.5	-18.8	4.3
4th	4	7.4	17	8.9	27.1	17.9	42.2	18.3	7.9	3.6
5th	-37.9	-21	-88.1	-53	-123.8	-79.5	-124	-85.7	-8.7	9.8
6th	-1.4	6.4	-0.6	-16	1.5	-31.9	1.1	-34.2	-3	-3.4
7th	-12.2	-6.8	0.4	-0.8	11.1	-0.1	14	0.7	-1.7	-2.6
8th	4.9	3.9	1.6	-0.3	-0.1	-1.7	-3.2	-0.7	-1.6	1.9
9th	-4.2	8	-1	5.1	0.8	0.2	0.7	-4.1	-1.8	-0.6
10th	1.8	4	1.3	2.8	1.6	0.5	0.5	-1.9	0.8	2.9
11th	-4.3	-1.4	-10.1	-2.6	-1.1	-0.8	7.5	2.1	-1.3	2.6
12th	10.2	1.7	12.1	-2.6	7.8	-0.6	-3.7	1.3	0.5	-1.3
13th	-2	1.5	-2.7	1.3	-1.8	1.7	1.6	-0.3	-2	-0.2
14th	0.3	0	-0.9	0.2	-1.1	0	0.5	-0.5	-0.7	0.7
15th	-0.4	-0.1	-1.3	-0.6	1.2	-0.3	0.6	-0.2	-1.8	1.1
16th	0.1	-1	3.3	2.5	4.6	2.5	0.7	0.9	0.3	2.9
17th	-0.2	-0.2	-1	-1.2	0.2	1.2	0	-0.6	0.1	-0.6
18th	-0.7	1.6	2.1	-3.7	2.5	-6.5	1.6	-3.4	1.1	0.3
19th	-0.8	-1	-0.1	-0.8	0.9	0.7	0.3	-1.5	-1	0.7
20th	3.7	-8.2	-0.1	4.7	2.1	11.5	0.2	11.8	0.5	-0.8

D-352

RUN 63   PT 30

V/OR = 0.251   ALFS,U = -15.00   CLRH/S = 0.049002   CTH/S = 0.050608
VKTS = 100.2   MTIP = 0.605   CXRH/S = 0.012658   CP/S = 0.005067

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	151.3		26.8		371.2		-18.4		-27.5	
RMS	59.2		34.7		43		65.3		20.2	
1/2 P-P	121.5		68.6		68.6		109.3		35.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	66.9	37	41	-8	38	-39.1	29.2	-70	-13.3	-21.1
2nd	15.3	7.5	6.7	13	4.1	19.7	-36.3	12.6	-8.6	6.3
3rd	2.2	22.9	8.4	13.9	9.8	12.1	7	33.3	-2.3	6.7
4th	8.7	4.3	9.3	1.7	7.3	0	-6.9	7.5	0.2	1.7
5th	5.2	6.1	3.2	2.3	-0.2	0.6	-0.8	-1.2	1.1	1
6th	-0.6	6.3	-0.1	5.4	-0.8	3.2	1	-2.7	0.1	-0.7
7th	-3.5	-1.1	-2.6	0.5	-1.4	1.3	-0.1	-1.1	-0.9	-0.6
8th	1	1.3	0.6	0.7	-0.1	0.6	0.4	-0.1	0.6	0.3
9th	1	1.4	-0.1	0.3	-0.9	0	-0.1	0.3	-0.4	0.1
10th	2.9	0.7	1.3	0.1	-0.5	0.5	1.1	-0.2	-0.5	0.4
11th	-0.1	10.4	1.5	5.1	0.3	-1.4	1.3	3	-1.1	-2.4
12th	-0.6	2.1	0.5	1.4	0.4	-0.1	0.8	0.7	-0.7	-0.5
13th	-0.2	0.6	-0.3	0.4	-0.1	0	0.3	0.3	-0.3	-0.2
14th	0.3	-1.6	0.2	0	0.1	1.2	0.3	1.4	-0.2	-1.1
15th	0.5	-0.3	0.5	-0.2	0	0.5	0.1	0.4	-0.3	-0.2
16th	1.2	-1.1	0.1	-0.9	0	0.9	-0.1	1.2	0.2	-1.2
17th	-1.1	1.3	0.2	0.3	0.4	-0.4	0	-0.5	0.2	0.5
18th	-0.7	0.6	0.3	0.1	0.3	0.2	0.1	-0.2	-0.1	0
19th	-0.8	0.6	0.1	0.1	0.3	-0.3	-0.2	0.1	0.5	-0.2
20th	0.1	-3.9	0	-0.3	1.2	2.1	-0.2	-0.2	0.9	2.1

D-353

RUN 63   PT 30

V/OR = 0.251   ALFS,U =-15.00   CLRH/S = 0.049002   CTH/S = 0.050608
VKTS = 100.2   MTIP = 0.605   CXRH/S = 0.012658   CP/S = 0.005067

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	70.7		772.6		305.3		1223.9		-190.9	
RMS	341		270.1		300.4		268.4		142.2	
1/2 P-P	592		550.2		618.7		568.3		246.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	266.5	393.3	160.5	303.6	70.4	337.2	-16.4	278	131.7	142.2
2nd	30.1	-0.3	8.4	-19.8	-3.3	-51.5	8.1	-54.6	32.2	27.2
3rd	-40.6	32.5	-51.7	32.4	-77	33.9	-63.2	23.9	-16.9	21.7
4th	9.5	13.7	30	23.9	44.1	40.8	59.3	42.6	7.5	-0.1
5th	-49	-13	-144.6	-7	-214.7	-10.3	-226.9	-8.1	-6	8.3
6th	7.6	3.9	-3.5	-16.3	-11.6	-31.4	-16.7	-32.5	-6.9	-6.5
7th	-6.5	-1.6	1.5	-0.4	7.6	-1.5	6.2	-1.3	-1.1	-1.7
8th	4.5	-0.7	2.3	-0.6	2.2	0.2	-0.4	1.9	-0.9	2.6
9th	8.4	11.5	5.3	5.5	1.4	0.8	-6.7	-5.2	-0.3	0.6
10th	6.2	0.5	2.8	0.3	2.2	-0.4	-1.5	0.4	2.3	0
11th	8.8	2.9	5.1	-7.3	3.6	1.9	-2	5.5	0.7	2.6
12th	16.4	-0.2	18.6	-6.7	11.1	-2.8	-6.4	3.1	-0.3	-0.6
13th	-1.4	5.3	-0.4	9.5	-0.1	7.5	0.1	-1.8	2.1	-0.3
14th	-1.2	-1	1.3	3.8	1.4	1	0.5	1.1	-1.4	-3.1
15th	0	-0.3	0	5.3	0.6	3.5	0.7	0.9	-1.8	0.9
16th	-0.7	-0.8	-2.5	-6.2	-1.8	-12.1	-0.7	-2.2	1	0.4
17th	-1	-2	1.7	1.5	2.3	4.7	1.8	0.9	0.1	-1.6
18th	0.8	-1.7	-1.9	2	-3	4.3	-0.7	2	-0.6	-1.5
19th	0.9	-0.7	-0.3	0.9	-1.4	3.2	-0.3	0.7	0.4	-1.2
20th	-10.1	3.2	3.9	-0.7	8.1	-17.5	10.5	-4.3	0.2	-2.6

RUN 63   PT 31

V/OR = 0.251	ALFS,U = -15.00	CLRH/S = 0.059062 CTH/S = 0.061048
VKTS = 100.2	MTIP = 0.604	CXRH/S = 0.015449 CP/S = 0.006045

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	175.7		43		368.1		-20.6		-24.8	
RMS	67.4		38.8		46.5		70.7		23	
1/2 P-P	137.6		76.8		73.7		121.7		38.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	73.1	45.5	45.7	-6.9	42	-41.5	32.1	-72.8	-16.4	-23.6
2nd	20.6	10.8	8.2	14.9	3.6	20.3	-44.5	8	-10.5	5.6
3rd	4.8	28	8.3	18.5	8	16.3	1.6	37.7	-4	6.8
4th	8.5	1.6	8.7	0.5	6.8	-0.9	-7.8	9.6	0.4	2.4
5th	4	6.4	1.7	3.3	-2.3	2	1.7	-3.2	2	0.9
6th	0.7	5.3	0.1	4.7	-1.3	2.9	1.6	-1.6	-0.1	-0.8
7th	-0.2	1.2	-0.3	2	-0.9	2	0.1	-1.1	-0.2	-0.4
8th	-0.2	0.3	-0.4	0.3	-0.5	0.6	0.1	-0.1	0.2	0.3
9th	0.1	0.1	-0.8	-0.4	-1.1	-0.4	-0.2	0.1	-0.3	0.1
10th	3	1	1.4	0.1	-0.8	0.1	1	0	-0.8	0.2
11th	2.2	11.4	2.6	5.4	-0.2	-1.5	1.7	3.2	-1.6	-2.7
12th	-1.8	3.2	0.4	2.2	0.5	-0.2	0.8	1	-0.7	-0.8
13th	-0.3	0.6	-0.4	0.9	-0.3	0.3	-0.3	0.9	0.2	-0.4
14th	-1.4	-1.4	0.1	0.1	0.7	1	0.8	0.7	-0.7	-0.5
15th	0.5	0.7	0.4	0.5	-0.3	0.3	-0.3	0.1	0.2	0.1
16th	0.4	-0.1	0.2	-0.4	-0.1	0.3	-0.2	0.5	0.4	-0.6
17th	-0.5	0.6	0.2	0.5	-0.1	0	-0.1	-0.4	0.2	0.6
18th	-0.9	0.5	0.5	0.2	0.1	0	0	-0.1	0.6	-0.2
19th	-0.2	0.9	0.3	-0.1	-0.1	-0.3	-0.4	-0.1	0	-0.1
20th	-0.9	-3.1	0.2	-0.3	1.5	1.4	-0.2	0.3	1.4	1.3

D-355

RUN 63   PT 31

V/OR = 0.251
VKTS = 100.2

ALFS,U = -15.00
MTIP = 0.604

CLRH/S = 0.059062
CXRH/S = 0.015449

CTH/S = 0.061048
CP/S = 0.006045

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	98.4		780.6		306.8		1225.8		-203.4	
RMS	365.5		290.3		328.3		294.5		161.1	
1/2 P-P	622.1		590.2		678.7		618		266	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	270.1	433.3	153.7	338	56	379.7	-34	310.6	140.4	167.4
2nd	33	-5.5	9.3	-29.7	2.3	-60.1	17.4	-59.8	41.5	34.7
3rd	-4.4	34.8	-29.2	29.5	-59.3	28.2	-51.8	19.2	-10.9	26.8
4th	15.9	17.4	40.6	37	57.7	61.8	70.7	64.3	8.5	-5.2
5th	-49.2	-14.4	-151	5.9	-224.4	12.2	-238.6	19.5	-8.9	8
6th	9.9	2.5	-4.2	-15.6	-12.4	-28.7	-17.6	-28.6	-6.6	-5.1
7th	-4.9	-2.9	0	-1.4	5.7	-0.2	7	3.2	-0.3	-1.9
8th	3.6	-3.1	3	-1.3	4.3	0.5	2	3.5	-0.7	0.9
9th	9.6	8.4	6.3	4	2.3	0.8	-7.1	-4.1	-0.7	-0.2
10th	7.4	1.5	3.1	0.8	3.3	0.3	-1.7	-0.6	2.7	0.4
11th	13.1	3.1	7.1	-8.3	6.4	1.4	-2.6	6.3	1.7	2.7
12th	22.8	5.2	28.8	-3.3	15.8	0.4	-10.5	2.1	-1.9	-2.4
13th	-4	8.3	-3.1	15.6	-2.6	11.2	0.8	-2.9	1.9	-1.1
14th	-0.3	-1.2	2.9	0.1	1.2	-1.3	1	1	-0.9	-2.8
15th	1	-0.3	0.5	4.8	1.8	5.1	0	0.6	0.4	1.2
16th	-0.2	-1	-3	-8.1	-2.7	-11.4	-0.5	-2.8	0	-0.4
17th	-0.5	-2.6	1.7	2.6	2.4	5.6	0.8	2.3	1.2	-0.8
18th	0.2	-2	-2.1	1.8	-2.5	5.4	-0.6	2.2	-1.2	-1.2
19th	0.5	0.4	-1.1	-0.4	-1.1	0.1	-1.2	-0.8	-1	-0.9
20th	-14	6.5	4.3	-2.1	9.8	-22.5	13.8	-10	-0.6	0.2

RUN 63   PT 32

V/OR = 0.252 ALFS,U = -15.00 CLRH/S = 0.059156 CTH/S = 0.061144
VKTS = 100.2 MTIP = 0.604 CXRH/S = 0.015470 CP/S = 0.006047

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	175.7		42.9		363.1		-20.7		-24.8	
RMS	67.2		38.7		46.4		70.6		22.8	
1/2 P-P	137.8		75.9		73.6		122.5		38.8	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	73.6	44.8	46	-7.2	41.9	-41.5	32.4	-72.1	-16.2	-23.5
2nd	20.3	10.9	7.7	14.9	3	20.4	-44.4	7.6	-10.4	5.3
3rd	4.4	27.6	8.3	18.2	8.2	16.3	2	38.6	-3.9	6.9
4th	8.2	1.7	8.2	0.6	6.3	-0.8	-7.1	9.8	0.6	2.6
5th	4.1	6.8	1.8	3.6	-1.9	2	1.4	-3.1	1.9	0.7
6th	1.3	4	0.4	3.7	-1.2	2.3	1.6	-1.5	0.1	-0.8
7th	-0.1	1.6	-0.2	2.1	-0.7	2	-0.1	-1	-0.1	-0.5
8th	0.8	2.2	0.7	1.4	-0.2	0.8	0.2	-0.1	0.6	0.5
9th	0.4	0.9	-0.4	-0.2	-0.9	-0.5	-0.1	0.1	-0.4	0
10th	3	1.3	1.3	0.1	-0.8	0	0.9	0	-0.6	0.1
11th	-0.1	10.4	1.3	5.2	0.2	-1.4	0.9	3.1	-1	-2.3
12th	-1.1	2.7	0.7	1.9	0.3	0	1	0.9	-0.8	-0.7
13th	-0.5	0.4	-0.5	0.8	-0.4	0.4	0	0.8	-0.1	-0.6
14th	-0.7	-1	0.5	0.1	0.4	0.9	0.6	0.7	-0.4	-0.3
15th	1	0.4	0.3	0.1	-0.5	0.4	-0.1	0.5	0	-0.3
16th	0.5	0	0.4	-0.5	-0.2	0.2	-0.4	0.5	0.6	-0.5
17th	-1.1	0.8	0.1	0.7	0.1	-0.2	0.2	-0.7	0	0.6
18th	-0.7	0.6	0.6	0.1	-0.1	-0.1	-0.2	-0.1	0.4	0
19th	-1.2	0.6	0.2	0	0.4	-0.4	-0.3	-0.1	0.3	0.4
20th	-0.4	-3.3	0.1	-0.6	1.2	1.7	-0.1	0.1	1.1	1.5

D-357

RUN 63   PT 32

V/OR = 0.252 ALFS,U =-15.00 CLRH/S = 0.059156 CTH/S = 0.061144
VKTS = 100.2 MTIP = 0.604   CXRH/S = 0.015470 CP/S = 0.006047

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	97.8		779.2		305.8		1225.6		-203.1	
RMS	363.9		289.3		328		293.5		160.3	
1/2 P-P	612.5		582.6		688.9		616.3		268	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	265.8	433	150.4	338	52.8	379.8	-35.7	310	139.7	166.6
2nd	34.9	-5.7	11.3	-30.3	4.7	-61.5	18.3	-60.3	41.4	34.2
3rd	-8.8	34.6	-33.8	30.6	-64.2	28.3	-56.5	18.8	-12.5	26.2
4th	15.5	16.8	39.3	36.7	56.2	61.5	68.9	64.6	7.6	-4.7
5th	-49	-16.7	-150.1	0.5	-223	4.9	-236.3	12.1	-9.5	8.5
6th	11.1	3.4	-4.4	-14.9	-13.3	-28.5	-19	-31	-5.3	-5.2
7th	-8.1	-2.3	-0.7	-1.5	7.3	-1.3	10.9	1.5	-2.1	-1.6
8th	4.1	-3.5	2.5	-2.6	3.8	0	2.7	4.3	-0.4	0.9
9th	9.4	10.5	6.4	4.7	2.3	1.1	-7.1	-5.5	-1.2	-0.2
10th	7.2	3.1	4.1	1.6	3.2	0.3	-1.9	-1.4	2.9	1.3
11th	12.2	3.9	8.6	-7.1	5.8	1.7	-3.5	5.4	-0.5	2
12th	21	7.1	27	0	15.7	1.2	-9.1	0.4	-2.3	-2.8
13th	-4	7.8	-3.4	14.8	-3	10.1	0.6	-2.8	2.5	-1
14th	-0.8	-0.7	2.4	0.5	2	-1.1	1.1	0.6	-3.2	-3.4
15th	0.7	-0.2	-0.7	4.7	1	4.3	-0.4	0.5	0.2	1.7
16th	-0.3	-0.7	-3.4	-8.5	-2.3	-12.2	-0.9	-3	-1.5	-1.1
17th	-0.4	-2.7	1.8	2.3	1.9	6.2	1	2.2	-0.6	-0.6
18th	-0.2	-1.9	-1.9	2.5	-1.9	4.5	-0.7	1.6	-0.8	-1.5
19th	0.7	1.6	-0.7	-1.1	-3.8	-0.4	-1.1	-1.8	-1.1	-0.2
20th	-14.7	6.8	4.3	-3.2	10.8	-24.5	13.3	-10.5	-0.9	-0.6

RUN 63   PT 33

V/OR = 0.251   ALFS,U = -15.00   CLRH/S = 0.069905   CTH/S = 0.072299
VKTS = 100.2   MTIP = 0.605   CXRH/S = 0.018454   CP/S = 0.007153

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	200.1		58.3		369.6		-22		-21.6	
RMS	75.5		43.1		49.9		76.9		26.1	
1/2 P-P	150.2		86.5		78.8		136.7		47.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	81.3	50.9	50.9	-7.1	46.1	-43.5	35.5	-75.5	-19.3	-26.3
2nd	23.9	13.1	8.5	16.3	2.2	20.8	-52.4	1.8	-12.4	4.3
3rd	4.6	33	6.7	22.6	5.2	20.3	-3.2	42.7	-5.7	6.8
4th	9	-0.5	8.3	-0.3	6.3	-1.2	-9.6	11.1	0.4	3
5th	1.5	7.5	-0.6	4.3	-4.5	2.4	3.9	-3.9	2.2	1
6th	1.1	0.9	0.3	2.1	-1.1	1.9	2	-1.2	0.5	-1.3
7th	3	3	1.8	2.7	-0.3	1.9	0.1	-1	0.5	-0.3
8th	2.7	1.6	2	0.9	0.2	0.6	0.5	-0.3	1.3	0.5
9th	0	1.7	-0.3	0.4	-0.8	-0.6	-0.2	0.4	-0.4	0.1
10th	3.1	2.4	1.3	1.3	-1	0.1	1.2	0.4	-0.9	-0.3
11th	-4.4	11.6	-0.8	6.7	0.4	-1.4	-0.3	4.3	0.2	-3.5
12th	-1.7	0.9	0.1	1.7	0.5	0.6	0.5	1.3	-0.3	-1.1
13th	-1.3	-0.2	-1	0.7	-0.3	0.4	-0.2	1	0.1	-0.8
14th	-0.6	-2.8	0.3	0.2	0.4	1.6	0.6	1.5	-0.4	-1.1
15th	1.5	0.6	0.6	0.2	-0.8	0.3	-0.7	0.5	0.3	-0.4
16th	1.6	0.7	0.8	-0.3	-0.6	0.3	-0.9	0.1	0.9	-0.4
17th	-1.6	0.1	-0.2	0.9	0.5	0	0.5	-0.4	0	0.7
18th	-0.5	-0.6	0.3	0.1	0.2	0.4	0	0	0.2	-0.2
19th	-0.9	-0.6	0.2	0.2	0.3	0.2	-0.2	0.2	0.8	0.3
20th	2.5	-2.8	0.3	-0.4	-0.2	2.3	-0.1	0.1	-0.3	2.2

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RUN 63   PT 33

V/OR = 0.251   ALFS,U = -15.00   CLRH/S = 0.069905   CTH/S = 0.072299
VKTS = 100.2   MTTP = 0.605   CXRH/S = 0.018454   CP/S = 0.007153

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	129.5		793.6		311.1		1237.1		-217.1	
RMS	389.1		312.4		358		320.7		180.9	
1/2 P-P	630.8		616.9		756.4		674.9		299	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	262.6	475.9	137.8	376.8	33.9	423.9	-57.2	342.8	151.1	192.2
2nd	31	-15.3	6.7	-41.2	4.8	-70.5	23.1	-65.6	47.9	42.1
3rd	15.1	31	-22.3	20.6	-57.7	15.1	-54.2	8.9	-10	30.3
4th	18.4	22.7	44	54.4	61	87.6	71.6	92.7	12.5	-9.5
5th	-43.4	-32.8	-151.7	-29.6	-226.3	-35.5	-244.8	-27.4	-10.8	4.9
6th	8.8	-1.2	-2.4	-12.2	-7.1	-22.9	-10.3	-24	-3.8	-9.1
7th	-4.2	-4.2	-2.3	-2.6	5.5	-0.2	9.3	4.6	0.2	-1.3
8th	3.6	-6.2	0.3	-3.8	3	0.2	4.4	5	0	0.2
9th	5.8	10	3.7	4.4	1.7	1.1	-4.9	-5.3	0.6	0.1
10th	10.6	0	4.8	-1.8	4	-0.5	-3	0.6	2.5	1.1
11th	13.5	2.8	12	-10.2	5.3	1.8	-7.5	8.2	-0.6	2.8
12th	22.9	18.2	34.3	14.2	19.1	9.8	-12.4	-4.8	-1.4	-3.7
13th	-5.7	6.2	-5.5	13.2	-5.3	9.2	0.5	-2.1	1.4	-0.7
14th	-0.6	-2.5	3.1	-0.1	2	-3	0.3	2.8	-1	-6.2
15th	0.5	-0.4	-0.9	4.5	1.7	4.5	-0.3	0.6	1.2	0.9
16th	-0.3	-0.5	-1.9	-8.3	1.5	-11.2	-0.4	-2.8	0.5	-0.1
17th	0.3	-2.5	1.4	2.5	0.4	6.4	1.1	2.7	-0.8	-1.5
18th	0.5	-1.3	-3.4	1.3	-4.9	2.3	-2	1.8	1.2	-0.2
19th	-0.3	1.6	-0.3	-1	-1.9	-2.7	0.3	-1.5	-0.1	-1.2
20th	-18.7	0	5.4	0.1	25.1	-19.5	18.4	-4.6	1	-0.8

RUN 63　　PT 34

V/OR = 0.251　　ALFS,U = -15.00　　CLRH/S = 0.078063　　CTH/S = 0.080806
VKTS = 100.3　　MTIP = 0.606　　CXRH/S = 0.020874　　CP/S = 0.008112

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	225.4		74.6		379.6		-22.8		-18.5	
RMS	84.1		46.9		53.3		83.5		29.2	
1/2 P-P	160.2		90.6		85.7		149.5		52.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	87.3	61.4	55.3	-4.1	50.2	-44.4	39.3	-78.6	-21.2	-29.7
2nd	27.8	16.9	9.3	18.4	1.5	22.3	-59.5	-4	-14.6	3.4
3rd	3.8	36.4	4.3	26.3	1.1	24	-8.8	46.9	-7.3	6.6
4th	10	-3.1	8.7	-1.7	6.6	-2	-12.3	12.2	0.4	3.5
5th	-0.8	8.3	-2.2	5.3	-5.7	2.8	5.5	-5.2	2.6	1.2
6th	-1.4	-0.7	-1.7	1.6	-1.7	1.8	2.1	-0.9	-0.2	-1.8
7th	4.7	3.1	2.2	2.6	-0.3	1.7	0.7	-1.1	0.7	-0.6
8th	1.1	1	0.8	1.1	-0.2	0.9	0.2	-0.3	0.8	1.1
9th	0.4	0.1	-0.2	-0.3	-0.5	-0.6	-0.2	-0.1	-0.2	0.3
10th	3.1	2.4	1.4	1.4	-0.9	0.3	1	0.5	-0.9	-0.2
11th	-6.8	8.5	-2.6	5.5	0.4	-0.9	-1.5	3.4	1.2	-2.8
12th	-2.2	2.1	-0.1	2.6	0.5	0.4	0.5	1.7	-0.3	-1.4
13th	-0.4	0.1	-0.7	0.7	-0.5	0	-0.6	1	0.3	-0.8
14th	0.2	-3.1	0.6	0.4	0.3	1.9	0.8	1.8	-0.3	-1.4
15th	0.6	-0.9	-0.1	-0.2	-0.3	0.4	-0.1	1	0	-0.9
16th	0.7	0.5	0.5	-0.2	-0.3	0	-0.7	-0.1	0.7	0
17th	-0.5	-0.7	-0.2	0.4	0.1	0.2	0.4	0.1	-0.3	0.3
18th	-0.9	-0.3	0.4	0.4	0.3	0	-0.1	-0.2	0.6	0.1
19th	-0.4	-2.8	0.2	0.1	0.7	1.1	-0.1	0.1	0.5	1.3
20th	2.5	-3.3	0.5	-0.5	-0.3	2.2	-0.3	0.1	0.3	1.9

D-361

RUN 63   PT 34

V/OR = 0.251 ALFS,U =-15.00 CLRH/S = 0.078063 CTH/S = 0.080806
VKTS = 100.3 MTIP = 0.606   CXRH/S = 0.020874 CP/S = 0.008112

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	162.1		806.3		315.4		1240.7		-229.8	
RMS	414.6		336.1		391.2		348.9		201.4	
1/2 P-P	651.1		650.5		816.6		742.6		342.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	248.7	522.4	117.9	415.6	8.4	469.2	-82	376.1	158.2	220.4
2nd	25.2	-23.7	2.9	-52.8	7.5	-80.7	31.3	-71.2	54.1	49.9
3rd	35.4	25.9	-13.5	8.5	-51.6	-2.3	-52.7	-6.5	-8.3	33.5
4th	20.2	33.4	47.2	78.4	63.8	121.2	73.8	126.2	16.7	-12.4
5th	-37.3	-45.9	-146.1	-60.6	-219.8	-79.2	-239.6	-70.8	-14	3.8
6th	4.2	-3.7	3.4	-10	6	-18.4	4.4	-17.8	-3.6	-11.9
7th	1.7	-6.8	-1.8	-2	1.6	4	3.2	10.2	2.3	-2.5
8th	4.7	-3.7	2.2	-2.3	3.2	0.5	2	4	-0.5	-0.3
9th	2.9	7.7	1.5	4.9	1.3	1.5	-2.4	-5.3	0.7	-1.9
10th	11.1	-6.7	3.6	-6	3.4	-1.2	-3.5	4.8	2	0.4
11th	15.3	4.7	17.4	-7	6.6	2.4	-10.3	6.8	-1.2	3.1
12th	19.1	20.2	31.2	17.6	17.2	12.4	-11.2	-5.6	-1	-3.6
13th	-7.1	3.6	-9.4	9.1	-7	6.6	1.6	-0.9	3	0.7
14th	0.1	-3.5	4.2	-0.8	4	-4.3	0.6	3.5	0.4	-8.8
15th	0.9	0	0.3	4.3	0.5	2.9	-0.3	0.8	0.4	1.3
16th	0.1	-0.6	-0.2	-10.3	2.2	-11.5	0.2	-2.9	-0.7	-2
17th	0.3	-2	-0.5	2.4	-0.8	3.5	-0.1	2.7	1.1	-0.9
18th	0.3	-1.2	-3.2	-1.2	-4.4	-0.3	-1.4	-0.1	0.1	-0.8
19th	-2.2	0.6	1.4	0.1	1.6	-5.3	4.2	0	0.3	0
20th	-20.2	-4.3	7.1	0.3	32	-15.6	23	-2.2	-0.5	-1.8

D-362

RUN 63 PT 35

V/OR = 0.251 ALFS,U =-15.00 CLRH/S = 0.087075 CTH/S = 0.090196
VKTS = 100.3 MTIP = 0.606 CXRH/S = 0.023523 CP/S = 0.009229

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	250.7		91.4		390		-23.2		-15	
RMS	90.7		50.9		56.6		89.8		32.2	
1/2 P-P	167.1		98.8		92.4		162		57.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	93.6	65.9	60.2	-3.8	55.3	-45.1	42.9	-81.9	-22.6	-33.7
2nd	31.9	20.3	10.1	20	0.1	23	-65.8	-11.7	-16	1.6
3rd	2.2	38.6	1.6	28.4	-3.4	25.4	-15.4	49.3	-8.8	5.9
4th	11.5	-4.8	9.3	-1.9	6.5	-1.8	-14.5	11.6	0.7	3.9
5th	-2.7	7.4	-3.6	5.8	-6.5	3.2	6.7	-6.1	2.3	1.3
6th	-2.3	-4.8	-2.7	-0.6	-2.1	1	2.4	-0.1	0.4	-2.6
7th	3.3	3.7	1.3	3.1	-0.6	1.5	0.4	-1.1	0.6	-0.7
8th	1.2	1.9	0.9	1.8	0	1.1	0.5	-0.3	0.5	1.4
9th	0.5	-0.5	-0.4	-0.3	-0.7	-0.6	-0.3	-0.3	-0.2	0.2
10th	3.9	1.7	1.8	1.3	-1	0.5	1.3	0.3	-1.1	0
11th	-8.1	7.1	-3.4	5.3	0.7	-0.6	-2.1	3.2	1.8	-2.6
12th	-2.1	-0.2	-0.5	1.6	0.5	0.7	0.5	1.3	-0.4	-1.1
13th	-0.4	-0.5	-1	0.1	-0.6	-0.1	-0.7	0.7	0.4	-0.5
14th	0.8	-4.5	0.2	0.2	0	2.5	0.6	2.2	0	-1.7
15th	-0.6	-0.9	-0.3	-0.1	0	0.2	0.4	0.6	-0.4	-0.8
16th	0.4	-0.2	0.3	-0.4	-0.1	0.3	-0.3	0.3	0.4	-0.4
17th	-0.4	-0.4	-0.3	0.3	0	0	0.4	0	-0.2	0.1
18th	0.1	-0.8	0.2	0.1	0.2	0.3	-0.2	0	0.1	0.3
19th	0.1	-2	0.3	0	0.6	0.9	-0.2	0.1	0.7	1.3
20th	2.7	-2.4	0.6	-0.4	-0.5	2	-0.3	-0.1	-0.1	1.7

RUN 63   PT 35

V/OR = 0.251	ALFS,U =-15.00	CLRH/S = 0.087075	CTH/S = 0.090196	
VKTS = 100.3	MTIP = 0.606	CXRH/S = 0.023523	CP/S = 0.009229	

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	196.1		818.3		319.1		1239.4		-241	
RMS	443.4		362		420.6		369.3		223.8	
1/2 P-P	662.8		698.7		871.1		761.5		362.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	227.4	573.7	91.2	462.3	-25.1	518.8	-112.5	411.5	168.3	249.3
2nd	28.6	-32.9	6.2	-64	16.4	-89	42.5	-73.8	60	60.3
3rd	53.1	22.6	-4.9	-3.5	-46.6	-18.9	-51.9	-22.2	-8	35.5
4th	17.4	44.3	41.7	103.4	53.3	155.5	62.7	161.6	21.1	-12.3
5th	-23.5	-58.8	-117.7	-82.4	-179	-106.3	-197	-96.1	-16.5	1.6
6th	5.1	-6.6	6.4	-6.4	11.1	-11.3	8.6	-10.9	-1.9	-14.4
7th	-1	-6.3	-2.4	-2.4	3.1	3.4	5.7	9.8	1.8	-2
8th	3.7	-3.8	1.7	-2.2	4	0.9	3.5	5.5	-0.4	-0.5
9th	1	5.6	0.3	3.5	1.9	0.6	-0.4	-5.8	1.2	-2.8
10th	12.9	-6.8	4.2	-6.1	3.1	-2	-4.1	3.8	2.8	-1.5
11th	9.4	-1	12.2	-10.2	3.6	0	-8	9	-0.7	0.3
12th	24	19.5	36.8	16.9	19.5	10.5	-13.9	-5.9	-1	-3.6
13th	-5.9	0.4	-8.8	3.9	-6.8	2.9	0.5	-0.3	4.1	0.7
14th	0.3	-4.2	4.5	-0.5	4.5	-4.8	-0.6	4.2	3.3	-10
15th	1.1	-0.3	0.2	1.4	-1.2	0.7	-0.3	0.2	0.1	1.3
16th	0.4	-0.8	2.2	-11.6	4.2	-13.4	1	-2.7	1	-1.3
17th	0.2	-1.4	-1.4	1.2	-2.4	2	-0.6	1	1	-0.6
18th	0.7	-0.3	-3.6	-2.2	-4.9	-2.5	-2.2	-0.7	-0.6	0.4
19th	-2.7	-0.2	1.5	0.1	3.4	-3.6	4.2	0.8	-1.1	-1.6
20th	-19.3	-10.6	7.5	2.4	37.1	-5.7	25.8	4.2	-1.5	-1.4

RUN 23　　PT 15

V/OR = 0.249　　ALFS,U =-10.01　　CLRH/S = 0.030004　　CTH/S = 0.030310
VKTS = 99.9　　MTIP = 0.607　　CXRH/S = 0.004386　　CP/S = 0.002510

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	81.1		-29.4		20.7		-35.7		-1.3	
RMS	24.3		28.3		42.3		60.7		15.5	
1/2 P-P	65		62.8		69.9		100.1		31.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	21.5	10.8	21.7	-18.6	28.5	-41.7	31.6	-64	-1.8	-17.4
2nd	1.9	6.9	-0.4	14.9	0.7	23.3	-19.6	29.3	-4.4	9
3rd	13.9	-2.3	16.1	-4.4	18.6	-2.4	14.1	26.3	0.5	7
4th	9.4	6.3	9.8	3.2	6.1	2.2	-4	3.6	-0.6	1
5th	7	4.1	8.7	3.4	7.7	3.5	-8.6	-3.1	-1	-1.7
6th	-2.2	7.1	0.1	6.2	0.1	3.9	-0.3	-3.9	0.5	-0.5
7th	1	4.7	0.9	3.6	-0.5	1.8	0.3	-1.2	-0.3	0.6
8th	-0.1	5.1	0.8	3.3	-0.3	0.9	-0.2	0.4	0.6	-0.4
9th	-2.1	2.9	-0.5	2.2	-0.3	0.2	-1.1	0.8	0.9	-0.6
10th	0.2	-0.4	0.2	-0.2	-0.4	0.4	-0.2	-0.4	0.6	-0.1
11th	-1.4	0	-0.3	-0.3	0.3	-0.3	-0.4	-0.5	0.3	0.5
12th	0.9	-1.2	0.1	-1	-0.1	0.5	-0.2	-0.3	0	0.5
13th	0.9	0.7	1.2	-0.5	0.3	0	0.8	-1.1	-0.8	0.7
14th	0.7	0.4	0.5	-0.1	0	0.1	0.6	0.1	-0.3	-0.3
15th	2.1	0.9	0.7	-0.1	-0.6	0.1	-0.2	-0.1	0.2	0.6
16th	0.1	-0.9	-0.3	-0.3	0.4	0.6	1.2	0.3	-1.2	-0.3
17th	0.8	1.4	0	0.2	-0.4	-0.3	0	-0.4	-0.4	0.2
18th	1.1	0.9	-0.1	-0.1	-0.4	-0.1	0.3	-0.3	-0.7	-0.1
19th	2.1	2.5	-0.2	-0.4	-1.2	-0.6	0.4	0	-1.3	-1
20th	-1.1	1.5	0.2	0	0.3	-0.8	0.1	-0.1	0.8	-0.9

RUN 23   PT 15

V/OR = 0.249 ALFS,U = -10.01 CLRH/S = 0.030004 CTH/S = 0.030310
VKTS = 99.9   MTIP = 0.607   CXRH/S = 0.004386 CP/S = 0.002510

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-26.9		727.6		352.5		1395.4		-82.6	
RMS	192.3		156.5		194		179.1		73.4	
1/2 P-P	317		315		374.5		344.7		157.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	41.8	261.7	11.8	207.3	-46.1	241.4	-81.4	201.5	57.9	80.8
2nd	16.3	-30.8	12.5	-38.5	6.9	-73.3	10.5	-72.2	13.9	2.7
3rd	-34.7	-27.9	-42.8	-10.1	-59.2	0.8	-47.7	-5.3	2.9	-8
4th	-4.4	4	2.9	-0.5	13.2	0.6	26	-0.9	2.1	9.9
5th	-7.1	-3.1	26.9	24.6	49.9	47.3	69.8	56.2	-5.1	5.3
6th	-1.9	-5.5	-2.6	-12	-1.9	-13.5	-1.9	-9.1	-4.9	0.4
7th	12.9	1.3	3.4	-3.6	-2.2	-2.7	-9.9	1.6	-0.3	0
8th	-0.3	1.6	-0.2	-4	1.9	-3.6	0.5	-1.1	-3.1	-0.3
9th	-1.7	10.9	1.4	3.4	2.1	-1	-1.8	-6.4	-1.6	-0.5
10th	0.5	0.4	0.6	0.1	0.7	-0.9	-1.5	-0.6	-0.7	0.6
11th	-6.9	3.8	-4.4	4.4	-1.9	1.6	2.2	-2.6	-1	1.4
12th	-1.2	1.8	-0.9	3.4	0.8	-0.1	0	-1.8	1.3	3.1
13th	5.9	-8.2	5.3	-18	5	-13.6	-0.8	3.3	-4.6	1.6
14th	-0.8	0.3	1	1.9	2.1	1.1	0	-0.8	-2.9	0.8
15th	0	-1.5	6.3	3.1	10.3	2.9	0.4	-0.2	-0.4	1.2
16th	-0.7	-0.5	0.7	1.4	-1	-0.5	0.2	0.4	0.7	-1.9
17th	0.3	-1.8	0.6	0.7	2.5	3.6	0	0.3	-0.5	-1.7
18th	-0.2	-1.3	-0.6	0.8	1	2	-1	0.6	1.5	0.7
19th	3.6	-3.1	-1.2	3.5	1.6	9.4	-3.7	3.5	0.2	3
20th	1.4	-4.3	-0.1	0.9	0.4	8.3	2.2	2.5	-1.1	1.4

RUN 23   PT 16

V/OR = 0.249
VKTS = 99.9

ALFS,U =-10.01
MTIP = 0.609

CLRH/S = 0.036687
CXRH/S = 0.005722

CTH/S = 0.037123
CP/S = 0.002940

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	97.5		-18.5		41.2		-36.7		1.5	
RMS	32.3		29		43.1		64.3		16.6	
1/2 P-P	72.4		65.2		69		107.6		31.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	31.4	24.2	26.8	-14.7	31	-42	32.8	-67.1	-4.5	-18.5
2nd	5.1	8.5	1.2	16	1	23.2	-25	27.1	-5.6	9
3rd	10.3	0	14.6	-1.6	17.8	0.4	14.3	31	-0.2	7.5
4th	8.6	4.6	9	2.4	5.5	2	-4.5	5	-0.1	1.4
5th	5.4	4.9	8.4	4.3	7.7	4	-8.6	-4.3	-0.9	-1.7
6th	-3.3	6.4	-0.7	5.9	-0.2	3.6	0.3	-4	0.1	-0.6
7th	3	4.2	2.3	3.3	-0.2	2	0.4	-1	-0.1	0.3
8th	-1.1	5.6	0	4.2	-0.9	1.2	-0.6	0.6	0.6	-0.3
9th	-1.4	2.4	-0.7	1.5	-0.6	-0.2	-0.8	0.5	0.8	-0.6
10th	0.9	0.2	0.8	0	-0.2	0.5	0.1	-0.4	0.3	0
11th	-3.7	2	-1	0.9	0.4	-0.4	-0.9	0.4	0.5	-0.2
12th	0.5	-0.1	0.1	-0.4	-0.2	0.1	-0.4	-0.2	0	0.3
13th	-0.4	1.1	1.4	-0.6	0.8	-0.2	1	-1.3	-0.9	0.9
14th	0.4	1.5	0.6	-0.1	-0.2	-0.6	0.4	-0.4	-0.1	0.3
15th	-0.1	2.2	0.5	0.4	0.1	-0.6	0.4	-1	-0.5	1.1
16th	-0.6	-0.3	-0.4	0	0.4	0.5	1.2	0.3	-1.1	-0.3
17th	0.4	1.7	0.2	0.3	-0.3	-0.4	0	-0.4	-0.1	0.3
18th	0.8	0.9	0.2	0	-0.4	0	0.1	-0.1	-0.5	-0.2
19th	1.1	2.3	0.2	-0.3	-0.5	-0.7	0.2	0.2	-0.5	-1.1
20th	-2.4	0.4	0.2	-0.2	1.1	-0.8	0	0.1	1.6	-0.8

RUN 23　　PT 16

V/OR = 0.249　　ALFS,U = -10.01　　CLRH/S = 0.036687　　CTH/S = 0.037123
VKTS = 99.9　　MTIP = 0.609　　CXRH/S = 0.005722　　CP/S = 0.002940

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	11.2		749		364.4		1402.3		-95.3	
RMS	299.4		234		258.5		222.6		98.6	
1/2 P-P	487.6		446.4		497.1		419.9		166.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	53.4	413	15	318.7	-48.3	336.6	-87.7	266	67	118.8
2nd	5.5	-38	2.7	-46.7	-1	-81.3	6.9	-78.6	16.5	8.7
3rd	-40.3	-44.2	-49.5	-24	-66.9	-13.3	-54.1	-15.7	-2.1	-9.1
4th	-1.1	4.6	9.7	2.1	21.9	5.6	34.5	4.8	3.1	9.3
5th	-7.7	-8.4	34.3	14	63.2	33.5	86	42.8	-8.6	2.9
6th	0.5	-9.3	-2.6	-10.1	-3.1	-7.2	-5.8	-0.6	-4.7	-1.6
7th	16.4	-1.6	3.3	-3.8	-3.7	-0.1	-11.4	6.1	1.5	1.1
8th	-1.2	3.2	0.4	-4.4	2.5	-4.8	0.6	-2.9	-2.5	1.4
9th	6.1	15.6	5.4	5.5	2.8	-0.7	-5.9	-9.1	-1	1.2
10th	1.1	-1.2	-0.6	-1.6	1.1	-1.2	-1.1	0.6	-1	0.6
11th	-8.7	6.6	-4.2	5	-3	3.3	2	-3.1	-4.6	1.6
12th	-2.7	6	-1	7.9	0.3	3.7	0.2	-3.7	0.2	0.3
13th	4.7	-8.7	3.4	-20	3.3	-14.1	0.3	3.8	-8.3	-0.6
14th	0.2	-0.5	1.9	-2.8	3.2	-2	-0.1	-0.8	-2.5	2.1
15th	-0.5	-1.8	1.8	-3.1	3.5	-0.6	0.3	-0.8	0	0.4
16th	-0.5	-0.1	1.6	1	-0.1	-0.1	0.1	0.4	2.1	-0.5
17th	-1.4	-4.2	3.4	0.7	7.6	5.2	2	1	-0.6	0.7
18th	-0.4	-1.4	-1	0.4	1.2	1	-0.6	0.3	-0.8	-0.6
19th	-8.2	-6.5	7.1	0.4	22	2.3	10.5	-0.1	-0.9	1.4
20th	1.1	-2	0.8	-0.3	-2.1	4.4	3.1	-0.4	-1.4	-1

D-368

RUN 23   PT 17

V/OR = 0.251   ALFS,U = -10.01   CLRH/S = 0.049715   CTH/S = 0.050367
VKTS = 99.9   MTIP = 0.604   CXRH/S = 0.008104   CP/S = 0.003792

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	127.1		1.5		57.5		-39.8		4.8	
RMS	40.5		31.1		45.7		70.9		19.4	
1/2 P-P	88.3		68.3		69.9		116.4		34	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	41.2	31.2	32.3	-14.9	35.1	-45.1	35.8	-72.2	-9.1	-20.7
2nd	8.1	11.3	1.3	17.7	-0.5	24.4	-36.2	22.2	-8.2	8.8
3rd	3.4	6.9	9.9	3.6	13.6	4.8	10.4	37.9	-2.2	8.2
4th	6.1	3.8	7.4	1.6	4.6	0.5	-6.1	7.8	0.5	2.1
5th	4.4	5.2	7.8	2.6	7.2	0.7	-8.1	-2.4	-0.5	0
6th	-7.4	7.7	-3	7.1	-1.3	4.1	0.7	-3.8	-0.6	-1
7th	1.4	-1.6	1.1	0	-0.4	0.8	0.1	-2	-0.4	-0.9
8th	-2.2	4.7	-0.4	3.5	-0.8	0.6	-0.6	0.3	0.7	-0.2
9th	-1.8	2.3	-0.7	2.5	-0.7	1	-1.1	0.4	1.3	0.5
10th	0.3	0.6	0.9	0.3	-0.1	0.4	0.1	-0.2	0.5	0
11th	-3.3	8.5	-0.1	4.8	0.1	-1.1	-0.1	2.5	-0.1	-2
12th	1.1	0.9	0.9	0.1	-0.5	-0.1	-0.1	-0.2	0	0.4
13th	0.7	1.6	0.8	0.2	-0.3	-0.2	0.2	-0.7	-0.1	0.6
14th	0.3	1.1	0.6	0.3	-0.4	-0.4	-0.1	-0.1	0.1	0
15th	-0.3	1.4	0.4	0.2	0.1	-0.3	0.4	-0.7	-0.7	0.5
16th	-0.2	-0.6	-0.1	-0.3	0.1	0.6	0.8	0.6	-0.7	-0.7
17th	-0.6	1.1	-0.2	0	0	-0.5	0.5	-0.2	-0.3	-0.3
18th	0.3	1	0	-0.1	-0.3	-0.1	0.4	-0.1	-0.7	-0.3
19th	-0.4	3.3	0.2	-0.5	-0.5	-1.4	0.2	0.2	-0.4	-2.1
20th	-3.1	0.5	0.1	0.1	1.1	-0.8	0.1	0	1.5	-0.8

D-369

RUN 23   PT 17

V/OR = 0.251	ALFS,U = -10.01	CLRH/S = 0.049715
VKTS = 99.9	MTIP = 0.604	CXRH/S = 0.008104
		CTH/S = 0.050367
		CP/S = 0.003792

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	39.2		751.6		361.6		1398.9		-113.5	
RMS	336.7		264.1		289.2		244.2		123.9	
1/2 P-P	550.1		482.1		517.5		450		212	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	132.3	448.8	62.7	350.3	-19.7	377.7	-77.9	300.1	85.7	148.2
2nd	14.8	-13	10.1	-32.6	9.2	-69.9	18.2	-72	22.2	19.6
3rd	-70.2	-18.8	-78.5	-3.1	-97.9	2.7	-81.3	-3.9	-11.7	0
4th	-0.4	7.2	13.7	13.5	27.7	26.1	39.1	26.2	4.7	4.7
5th	-27.3	-28.3	-28.3	-55.9	-26.8	-75.8	-13.1	-81.3	-11.1	6.1
6th	-13.2	-0.3	1.3	-16.1	13.2	-26.6	16.2	-26	-7.5	-4.9
7th	1.3	-15.2	0.3	-3.8	3.9	5.3	4.1	10.5	-1	-3.2
8th	-1.6	5	0.8	-2.4	2.5	-4.3	-1	-5.8	-3.1	0.7
9th	0.5	-9.7	-0.2	-8.2	1.9	-1.7	-1.6	5.8	-0.2	-1.4
10th	-4.3	-8.7	-4.9	-6.2	-0.3	-1.5	1.4	5.4	-1	-0.7
11th	5	-2.9	4.3	-11.4	2.8	-0.4	-3.5	7.1	-2	1
12th	-9.3	-5.4	-13.5	-3.6	-5.3	-2.3	5.5	0.7	-0.6	0.7
13th	0.1	-1.2	-1.8	-3.6	1.3	-2	0.3	0	-0.8	0.7
14th	-0.9	0.7	0.4	1.2	1.9	1.8	-0.2	-0.8	-2.7	0.3
15th	-1.1	0	-2.2	-2.1	-1.3	-0.8	0.2	-0.7	-2.4	-1.2
16th	-0.8	0.2	-0.2	0.9	-0.2	-0.9	-0.1	0	0.4	-0.5
17th	-0.5	1.3	-0.3	-2.2	-0.7	-1.9	-0.6	-1.8	-1.3	-0.5
18th	1.6	-1.5	-2	1.9	-2.4	4.4	-2.4	1.5	0.3	0.7
19th	-0.5	2.9	-1.1	-1.8	0.1	-1.6	-1.9	-5.7	-1.1	-0.3
20th	3.1	-2.6	0.2	0.2	-4.6	7.5	1.2	1.6	-0.9	-0.6

D-370

RUN 23   PT 18

V/OR = 0.250   ALFS,U = -10.01   CLRH/S = 0.059447   CTH/S = 0.060275
VKTS = 99.9   MTIP = 0.606   CXRH/S = 0.009969   CP/S = 0.004507

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	151		16.8		64.8		-41.6		7.3	
RMS	50.2		34.9		48.1		76.7		22.2	
1/2 P-P	105.2		74.4		75.7		127.4		40.6	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	52.5	35.4	38.4	-15.3	38.5	-47.5	38.4	-75.7	-12.5	-23.1
2nd	13.8	13.7	3.1	19	-0.9	25.1	-45.5	17.1	-10.4	8
3rd	0.8	16.2	7.2	10.3	10.1	10.4	6	44	-3.8	8.7
4th	6	2.1	6.9	0	4.3	-0.7	-7.8	10.8	0.9	3.1
5th	1.4	5.8	4	2.7	2.8	0	-3.8	-2.5	0.9	0.9
6th	-6.2	8.9	-2.7	7.1	-1.6	3.5	1.3	-2.5	-0.8	-1.1
7th	-1.8	-1.8	-1	0.1	-1	0.8	-0.3	-2.2	-1.2	-1.1
8th	-6.2	3.1	-3.5	2.8	-2.1	0.5	-1	-0.2	0	-0.1
9th	-2.3	1.1	-1.2	1.7	-0.6	0.4	-1.4	0.3	1.4	0.5
10th	2	3.4	1.9	1.4	-0.2	0.1	1	0.3	-0.2	-0.4
11th	-3.3	10.4	0.6	5.8	0	-1.1	0.5	3.2	-0.5	-2.7
12th	1.2	0.2	0.7	0.2	-0.5	0.1	-0.1	0.2	-0.1	-0.1
13th	0.4	1.6	0.1	0.6	-0.6	0.1	-0.2	0	0.1	0.2
14th	0.8	1.8	0.5	0.4	-1.1	-0.3	-0.5	0	0.6	0.1
15th	0.8	2.5	0.5	0.6	-0.5	-0.6	-0.4	-0.4	-0.1	0.6
16th	0.4	-0.6	-0.1	-0.4	-0.1	0.6	0.4	0.9	-0.6	-0.9
17th	-1	1.2	-0.1	0.3	0	-0.4	0.5	-0.4	-0.2	0.1
18th	-0.4	0.9	0.2	-0.2	-0.2	-0.3	0.4	0.2	-0.3	-0.5
19th	-0.3	3.2	0.2	-0.1	-0.5	-1.1	0.1	0.1	-0.6	-1.4
20th	-1.4	-0.3	0.3	0	0.6	0.3	0.1	0	0.7	0.2

D-371

RUN 23   PT 18

V/OR = 0.250   ALFS,U = -10.01   CLRH/S = 0.059447   CTH/S = 0.060275
VKTS = 99.9   MTIP = 0.606   CXRH/S = 0.009969   CP/S = 0.004507

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	61.6		757.7		359.1		1402		-128.3	
RMS	356.7		287.3		323.6		280.2		145.4	
1/2 P-P	584.4		535.9		624.2		560		240.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	169.1	466.2	79.5	368.9	-14.2	404	-80.7	322.6	105.1	168.8
2nd	39.4	-12.2	27.6	-36.6	27.6	-73.9	35.2	-74.9	33.6	28.3
3rd	-56.6	10.7	-71.9	18	-96.2	18.7	-82.9	8.6	-14.9	12.3
4th	2.2	19.1	20.4	37.9	35	61.4	46.6	61.4	6.4	0.5
5th	-38.8	-34	-87.9	-61.7	-121.9	-84.8	-122.7	-89.3	-11.9	4.3
6th	-6.5	11.3	-1.1	-21.2	3.9	-45.1	3	-52	-8.8	-4.8
7th	-7	-13.6	0.8	-2.9	9.8	4.8	12.4	8.3	-0.6	-2.6
8th	3.1	6.1	5.7	-0.9	4.2	-2.3	-5	-3.5	-4.8	1.9
9th	-6.9	-2.7	-3.3	-2	1.7	-0.8	1.9	1.1	-0.8	-0.4
10th	-6.2	1.3	-7.1	-0.1	0.2	1.2	4.8	0.4	-1.2	1.6
11th	5.6	-5.3	3.2	-14.7	2.5	-1.3	-2.5	9.9	-3.3	2
12th	-4.4	16.5	-0.7	19.7	1.5	10.8	0.5	-8.2	-1.6	-0.7
13th	-2.6	4.4	-2.1	7.7	0.5	6.6	-0.1	-2.3	-1.5	2
14th	0.2	0.1	-2.6	0.9	0.4	1.9	-0.3	-0.7	0.4	1.8
15th	0.3	-0.1	-1.1	2.5	1.3	5.2	-0.8	-0.2	-0.1	2.4
16th	0.9	0.4	5.6	2.9	6.5	0.9	0.9	0.4	0.3	1.9
17th	1.9	-2	-0.3	0.9	-1.5	4.4	-0.6	0.6	-0.5	-0.9
18th	-0.7	-0.2	1.5	-0.3	3.1	-0.3	1.2	-1.1	-0.7	0.3
19th	3.7	-3.7	-1.5	1.1	-0.7	9.3	-3.1	1.4	-0.8	0.9
20th	5.8	-5.1	-0.3	2.5	-4.6	11	-1.5	8	-0.6	-2.3

D-372

RUN 23   PT 19

V/OR = 0.251   ALFS,U = -10.01   CLRH/S = 0.067668   CTH/S = 0.068641
VKTS = 100.0   MTIP = 0.603   CXRH/S = 0.011520   CP/S = 0.005157

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	168.5		29.7		71.6		-43.3		9.6	
RMS	56.4		38.3		51		82.2		24.7	
1/2 P-P	120.3		81.5		80.9		140.1		46	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	57.9	38.1	41.9	-15.7	41.7	-49.6	40.8	-78.5	-15.1	-24.9
2nd	17.7	15.5	3.8	19.9	-1.4	25.5	-52.8	12.7	-12.3	7.5
3rd	-0.9	22.6	5	15.5	7.4	15.2	1.8	49.2	-5.4	8.8
4th	6	-0.2	6.4	-1.6	4.2	-1.9	-9.1	13	1.4	3.8
5th	-0.2	6.7	2.5	4	0.9	1	-1.4	-4.2	1.6	1.2
6th	-5.4	8.8	-2.6	6.7	-1.9	3.1	2	-1.5	-0.8	-1.2
7th	-2.2	1.8	-0.8	2.6	-0.8	1.9	-0.5	-2	-1.1	-0.8
8th	-8.5	2.7	-5.3	2.6	-2.8	0.4	-1	-0.4	-0.3	0
9th	-2.7	0.5	-1.4	1.1	-0.7	0.3	-1.4	0.2	1.2	0.9
10th	2.2	4	1.8	1.7	-0.4	-0.1	1.1	0.6	-0.5	-0.6
11th	-7.1	13.1	-1	8.1	0.3	-1.3	-0.3	4.6	-0.1	-4
12th	0.3	1	0.6	0.9	-0.2	0	0.2	0.6	-0.3	-0.5
13th	0.2	1.3	0.1	1.1	-0.6	0.3	-0.2	0.6	0.1	-0.1
14th	0.5	0	0.2	0.5	-0.6	0.4	-0.4	0.7	0.5	-0.5
15th	0.8	0.3	0.3	0.1	-0.4	0.2	-0.1	0.4	-0.3	-0.3
16th	0.9	-0.7	-0.2	-0.8	-0.2	0.6	0.1	1.1	0	-1.2
17th	-1.4	0.6	0	0.3	0.3	-0.2	0.5	-0.2	0	0.2
18th	-0.1	0.3	0.1	-0.2	-0.1	0	0.2	0.3	-0.1	-0.3
19th	-0.4	1.2	0.4	0.2	0	-0.4	-0.4	0.1	0.3	-0.5
20th	-0.3	-2.3	0.2	0	0.6	1.5	-0.1	0	0.9	1.5

D-373

RUN 23   PT 19

V/OR = 0.251 VKTS = 100.0   ALFS,U = -10.01 MTIP = 0.603   CLRH/S = 0.067668 CXRH/S = 0.011520   CTH/S = 0.068641 CP/S = 0.005157

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	83.2		757.3		357.2		1394.8		-139.3	
RMS	377.4		310.1		355.6		310.2		161.8	
1/2 P-P	607.2		569.7		687.5		621.8		262.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	170.1	495.8	72.3	396.8	-27.9	437.9	-94.8	347.8	116.6	186.1
2nd	48.4	-21	34.3	-46.8	36.7	-82.8	46	-80.3	41.3	35.9
3rd	-37.9	22.6	-61.6	23.8	-91.2	20.4	-81.8	10.1	-15.5	17.9
4th	2.1	31.2	23.8	61.1	39.1	92.2	50.2	92.8	8.6	-4.5
5th	-45.8	-38	-111.1	-53.2	-158.2	-67.9	-162.7	-66.3	-14.2	4.9
6th	-0.8	15.1	-3.5	-22.6	-4.9	-50.4	-8.5	-60.4	-8.7	-4.3
7th	-10.8	-11.3	-0.5	-4	9.9	2.7	15.3	7.7	-2.5	-0.7
8th	6.6	7.1	9.6	-0.4	5.6	-1	-6.2	-2	-5.3	1.1
9th	-4.1	0.5	-1.2	0.2	1.9	-0.6	0.6	-1.5	0	-1.4
10th	-2.2	2.7	-4.5	0.2	0.7	1.5	2.5	0.8	-0.6	1.3
11th	14.4	-6.4	13	-19.9	4.9	-1.7	-8.4	13.9	-3.6	1.2
12th	4.7	19.6	11	19.7	7.2	11.3	-3.6	-8.2	-0.8	-1.2
13th	-2.4	8.8	-0.1	13.6	1.5	10.6	-0.2	-3.2	2	0.2
14th	0.2	-0.1	-1.2	2.3	0	1.6	-0.5	0.2	1.2	-1
15th	0.8	-0.6	1.9	2.4	3.5	2.6	-0.8	0.5	1.3	0.3
16th	1.6	0.1	6.4	-1.9	7.9	-4.3	1.1	-1	1.6	2.7
17th	0.6	-2.3	0.9	0.9	0	3.9	0.8	0.8	-1	-0.6
18th	0	0.1	0.9	-0.7	1.9	-1.4	0.6	-0.8	-0.2	1.6
19th	-0.1	-3.9	-0.5	0.6	2.6	4.2	0.4	1.4	-1.3	0.1
20th	-3.9	-6.6	3.3	2.7	9.6	3.7	10	8.2	0.4	-1.4

D-374

RUN 23   PT 20

V/OR = 0.248	ALFS,U = -10.01	CTH/S = 0.079208
VKTS = 100.0	MTIP = 0.610	CP/S = 0.006001
	CLRH/S = 0.078065	
	CXRH/S = 0.013411	

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	198.8		48.8		87.5		-44.7		12.6	
RMS	68.6		43.6		55		90.9		28.5	
1/2 P-P	143.1		95		91		160.4		54.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	67.8	48.2	48.1	-13.9	46.2	-51.6	44.5	-81.7	-18.4	-28.2
2nd	26.9	18.2	6.8	21.4	-1.2	26.4	-63.9	5.5	-15.2	6.4
3rd	0.3	29.9	3.1	22	3.2	21.3	-5.6	56.6	-7.9	8.9
4th	9.2	-4.4	7.1	-4.1	4.2	-3.4	-12.4	15.4	1.6	4.7
5th	-2	6.8	-0.6	5.5	-2.4	2.9	2.8	-7.2	2.8	1.3
6th	-3	5.6	-2.5	4.7	-2.6	2.6	3	-0.5	-0.7	-1.8
7th	0.5	2.2	0.7	2.9	-0.4	2.3	-0.4	-2.1	-0.9	-1.1
8th	-8.8	3.4	-5.7	3.8	-2.7	1.1	-1.1	-0.6	-0.1	0.8
9th	-2.9	-1.1	-2	0.4	-0.7	0.3	-1.6	-0.3	1.1	1.7
10th	4.2	4.5	2.6	1.7	-0.9	0.1	1.6	0.9	-1.1	-0.7
11th	-11.3	-11.7	-3.6	8.4	0.7	-1.1	-2	4.8	1.2	-4.3
12th	0.8	0.8	0.8	1.4	-0.3	0.4	0.5	1.1	-0.4	-0.9
13th	0.4	1.4	0.1	1.2	-0.7	0.3	-0.4	0.8	0.4	-0.1
14th	0.7	-2.4	0.3	0.4	-0.5	1.6	-0.2	1.5	0.3	-1.3
15th	0.1	-0.1	0.2	0.2	-0.2	0	0.1	0.3	-0.5	-0.6
16th	0.6	-0.1	0.2	-0.2	-0.3	0.2	-0.2	0.5	0.4	-0.5
17th	-2.1	0.2	-0.1	0.2	0.6	-0.1	0.8	-0.2	0.1	0.1
18th	-0.4	-0.2	0.1	0.1	-0.1	-0.1	0	0.4	0.2	-0.1
19th	-2.5	-0.3	0.5	-0.1	1.3	-0.3	-0.1	0.2	1.5	-0.4
20th	-0.4	-2.7	0.2	-0.2	0.8	1.4	-0.2	0.1	1	1.3

D-375

RUN 23   PT 20

V/OR = 0.248   ALFS,U =-10.01   CLRH/S = 0.078065   CTH/S = 0.079208
VKTS = 100.0   MTIP = 0.610   CXRH/S = 0.013411   CP/S = 0.006001

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	119.5		771.4		359.1		1404.3		-154.2	
RMS	410.9		339.7		395.2		347.3		187.3	
1/2 P-P	644.8		621		771.6		705.7		300.6	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	183.2	538.1	69.5	433.1	-42.3	482.7	-111.8	382	132.9	213.4
2nd	69.6	-39.5	48.3	-66.2	54.6	-98.4	65.1	-90.5	57.9	44.9
3rd	6.1	28.7	-34.4	19.8	-71.1	9.8	-69.8	0.9	-9.9	26.4
4th	19.4	45.1	44.4	91.9	61.3	135.7	69.4	136.4	15.8	-10.7
5th	-38.9	-48.4	-119.4	-49.9	-175.8	-55.7	-187.1	-45.5	-15.9	0.2
6th	11.2	10.8	-3.2	-19.8	-11.9	-43.6	-21.2	-52.4	-5.8	-4.5
7th	-11.1	-12.1	-2.6	-3.4	8.9	3.6	17.3	10	-1.5	-2.3
8th	9.5	-1.6	11.3	-4.3	7.5	0.5	-4.5	7.7	-5.1	0.5
9th	0.2	0.8	1.9	0.8	2.4	-0.1	-1.9	-2.3	0.3	-2.6
10th	0.1	5.7	-3.9	2.6	1.7	2.1	3.2	-1.5	1	2.2
11th	14.4	-10.9	15.8	-24.4	4.7	-3.3	-10.5	17.1	-4.9	-0.2
12th	8.9	24.3	17.7	24.3	11.9	14.1	-5.7	-9.6	0.2	-3.1
13th	-4	5.6	-3.7	9.6	-0.8	7.7	0.8	-1.6	2.6	-1.3
14th	0.7	-1.9	1.3	1.2	2.2	-2.1	-0.8	1.8	1.4	-8
15th	0.6	-0.6	3.2	-0.9	4.5	-1.4	-0.3	0.2	2.3	-0.8
16th	1.1	-0.5	5.5	-3.5	7.5	-4.7	1.3	-1.3	3.2	1.8
17th	-0.8	0	0.9	-1	-0.7	0.4	1.1	-0.5	-0.7	-0.7
18th	-1.1	0.3	1.8	-2.2	3	-3.8	2	-1.5	-0.4	-1.1
19th	-1.6	0.7	-0.3	-1.6	-1.9	-2.3	2.2	-2.8	-1.2	-1.2
20th	-8.8	-3.4	5.6	0	14.7	-7.2	14	0.1	-1.2	-2.1

D-376

RUN 23   PT 21

V/OR = 0.250	ALFS,U = -10.01	CLRH/S = 0.089243	CTH/S = 0.090581
VKTS = 100.0	MTIP = 0.606	CXRH/S = 0.015514	CP/S = 0.007015

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	223.1		64.7		93.8		-45.6		9.2	
RMS	77.2		48.3		58.1		98.7		32	
1/2 P-P	151.5		104.8		100.7		175.7		61.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	76.1	53.1	53.3	-13.4	49.6	-53.2	47.8	-85.3	-20.5	-31.9
2nd	29.5	20.1	7	22.3	-2.8	26.1	-73.3	-2.6	-17.4	5
3rd	-3.2	36.1	-1.1	26.8	-2.1	25.5	-12.4	60.7	-10.1	8.3
4th	11.6	-8.5	8.2	-6.3	4.9	-4.6	-16.1	17.2	2	5.5
5th	-2.2	7.7	-1.8	5.7	-4	2.3	6	-7.8	3.4	2
6th	-3.8	-1.2	-4.4	1.4	-4.4	1.9	4.1	0.3	-0.9	-3.4
7th	3.7	5	2.7	4.5	-0.2	2.7	-0.1	-2.3	-0.3	-1.3
8th	-9.8	2.6	-6.8	4.1	-3.1	1.7	-0.9	-1.2	-0.3	1.5
9th	-2.6	-1.9	-1.7	-0.1	-0.5	0.4	-1.6	-0.4	0.8	2
10th	4.8	5.4	2.5	2.5	-1.4	0.1	1.8	1.2	-1.5	-0.7
11th	-12.7	10.1	-4.7	7.9	0.9	-0.8	-2.5	4.7	1.7	-4.3
12th	0	1.5	0.2	2.1	-0.5	0.3	0.1	1.5	0	-1.3
13th	-0.3	0.7	0	1.4	-0.4	0.5	0.1	1.1	0.1	-0.3
14th	1.6	-2.8	0.4	0.5	-0.7	1.9	-0.4	1.8	0.5	-1.3
15th	-0.5	-1.4	-0.2	0	0.3	0.3	0.6	0.7	-0.6	-1.1
16th	0.6	0.5	0.6	-0.2	-0.3	-0.2	-0.6	-0.4	0.7	-0.4
17th	-1.6	-0.9	0.1	0.1	0.5	0.2	0.5	0.3	0.3	0.1
18th	-0.8	-0.8	0.2	0.1	0.2	-0.1	-0.1	0.3	0.4	0.2
19th	-1.9	-1.2	0.7	-0.1	1.4	0.3	-0.4	0.1	1.7	0.2
20th	1.2	-2.6	0.2	-0.2	0.1	1.8	-0.3	0	0.2	1.8

D-377

RUN 23   PT 21

V/OR = 0.250   ALFS,U =-10.01   CLRH/S = 0.089243   CTH/S = 0.090581
VKTS = 100.0   MTIP = 0.606   CXRH/S = 0.015514   CP/S = 0.007015

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	140.6		778.3		356.8		1410.5		-168	
RMS	437.3		374.5		444.6		396.3		211.1	
1/2 P-P	687.8		740.9		922.6		831		343	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	184.8	575.2	58.6	468	-60	523.8	-131.7	413.1	148.4	239.7
2nd	58.6	-51	41.4	-77.9	55.8	-106.9	72.7	-94.9	62.8	55.5
3rd	21	34.4	-29.2	16	-70.5	0.2	-73.5	-8.7	-11.8	33.2
4th	18.5	54.3	42	121.5	56.2	179.6	63.7	181.7	22.6	-16.8
5th	-38	-65.6	-141.9	-96.9	-210.2	-125.7	-227.2	-120.6	-17.6	0
6th	11.3	0.2	0.3	-13	-3.2	-27.4	-13.4	-31.5	-2.2	-10.5
7th	-4.1	-10	-4.8	-4.1	1.5	2.6	8.7	9.3	-1.4	1.2
8th	9.1	-4.2	11.7	-5.8	9.2	-0.2	-3.2	9	-3.2	-0.1
9th	-3.6	-2.2	-1.3	0.5	1.1	-0.3	0.5	-1.9	0.9	-2.2
10th	8.6	3.7	0.9	-0.9	2.7	1.5	-1.4	1.3	2.9	3
11th	14.5	-11.5	17.7	-24.5	4.2	-4	-12.4	17.2	-2.9	-1.6
12th	0	27.6	7.9	32.5	5.7	19.7	-2.1	-12.5	2	-3
13th	-1.3	4.8	0.6	7.6	1	6.5	-0.1	-0.6	4.1	-1.8
14th	0.8	-2.3	0.9	2	3	-1.6	-0.9	2.7	5	-8.9
15th	0.9	-0.6	5.2	0.2	4.8	-1.4	0.1	0.5	3.7	0.4
16th	0.6	-0.6	4.2	-5.1	7	-5.7	1.8	-1.7	0.2	2.6
17th	-1.6	-0.3	1.5	0.5	0.4	0.5	1.6	0.4	-0.2	0.9
18th	-0.3	-0.1	-0.3	-2.4	-0.8	-4	0.9	-0.9	1.4	0.6
19th	-2.6	1.2	0.2	-0.5	-0.8	-3.6	3.3	-1.5	-1.7	-1
20th	-8.4	-7.6	3.5	2.6	17.4	0	13.4	7.4	0.1	-0.5

D-378

RUN 23   PT 22

V/OR = 0.250   ALFS,U = -10.01   CLRH/S = 0.099024   CTH/S = 0.100551
VKTS = 100.0   MTIP = 0.605   CXRH/S = 0.017460   CP/S = 0.008048

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	246.2		81.6		123		-45.3		10.6	
RMS	88.4		53.5		62		107.4		35.2	
1/2 P-P	159.3		107.6		111.3		196.3		67.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	86.6	61.7	59.6	-11.4	54.1	-54.2	50.2	-88.4	-21.6	-36.4
2nd	33.9	26.1	7.5	25	-3.8	27.3	-83.2	-11.5	-18.8	2.8
3rd	-5.3	40.4	-5.4	30.8	-8.1	28.8	-21	65	-11.9	7
4th	14.9	-13.6	9.8	-9.1	6.1	-6.4	-19.9	18.7	2.3	6.1
5th	-4.2	5.9	-4.1	5.7	-6.2	3	9.6	-9.4	4	1.8
6th	-4.1	-8.8	-4.9	-2.6	-4.3	0.8	3.4	1.6	-1	-5.4
7th	2.9	1.9	2	2.6	-0.2	1.9	-0.3	-2.4	-0.6	-2.6
8th	-8.8	-1.8	-6	1.1	-2.1	0.8	-0.7	-1.8	0	1.5
9th	-2	-3	-1.4	-0.7	-0.1	0.4	-2.1	-0.9	0.5	2.2
10th	5.2	6.7	3.1	3.7	-1.2	0.4	2	2	-1.9	-1
11th	-11.3	3.2	-4.8	4.3	1.2	0	-2.6	2.5	2	-2.5
12th	1.1	2	1.1	2.3	-0.2	0.2	0.8	1.3	-0.4	-1.1
13th	-0.4	0	0	0.9	-0.2	0.6	0.2	1.1	-0.2	-0.2
14th	0	-4.5	0	0.5	0.3	2.1	0.6	2.1	-0.6	-1.5
15th	-1.2	-2.2	-0.5	-0.5	0.7	0.5	1.1	0.8	-0.5	-1.4
16th	-0.6	0.3	0.2	-0.2	0	-0.3	0.1	0	0.3	-0.3
17th	-1.1	-2.1	-0.3	-0.4	0.6	0.7	0.8	0.7	-0.2	0
18th	-1	-0.9	0	0.2	0.3	-0.1	0.2	0.1	0.3	0.2
19th	-2.2	-1.7	0.3	0.1	1.4	0.4	-0.1	-0.1	1.6	0.5
20th	1.9	-2.1	0.3	-0.2	-0.6	1.6	-0.3	0	-0.2	1.5

RUN 23   PT 22

V/OR = 0.250   ALFS,U =-10.01   CLRH/S = 0.099024   CTH/S = 0.100551
VKTS = 100.0   MTIP = 0.605   CXRH/S = 0.017460   CP/S = 0.008048

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	160.6		776.9		350.8		1400.8		-187.6	
RMS	459		396.7		478.9		426.9		239.8	
1/2 P-P	724.9		788.1		988.5		876.4		386.8	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	179.3	608.4	41.9	498	-82.8	562.1	-152.4	441	154.5	276.1
2nd	54.7	-47.4	40.3	-80	62.1	-108.9	86.6	-95.4	73.7	74.6
3rd	41.8	29.8	-20.5	0.2	-66.3	-22.6	-74	-30.8	-7	37.7
4th	23.8	59.4	42.3	145	52.1	214.4	56.8	217.8	30.8	-25.2
5th	-30	-77.1	-138.5	-111.3	-209.2	-142.6	-229.4	-134.8	-22.6	-4.8
6th	6.7	-10.4	4.7	-5	7.1	-9.3	0.5	-11	-2.3	-15.5
7th	-4.1	-11.5	-5.6	-2.3	-0.8	4.7	6	9.6	-3.1	-1.5
8th	1.1	-5.4	7.7	-2.1	9.1	2.6	3.9	8.1	-3	-1
9th	-9.7	-0.4	-4.1	3	0.6	0.5	4.8	-4.9	0.8	-2.7
10th	8.2	2.3	-0.1	-2.8	2.4	0.3	-0.4	1.1	1.6	0.6
11th	2.5	-7.9	8.1	-12.4	-0.7	-2.1	-6.2	9.9	-3.2	-3.6
12th	10	22.2	17.9	22.6	12.4	14.9	-5.8	-8.4	1.4	-3.9
13th	-0.6	2.2	1.2	2.8	1.5	2.8	-0.1	1.2	2.6	-1.2
14th	-1	-3.1	0.6	1.7	-0.3	-2.3	0	3.2	1.9	-11.7
15th	0.8	-0.3	4.1	-2.6	2	-4.5	0	0.3	1.3	0.6
16th	0.9	-0.9	4.5	-9.3	5.8	-9.3	2.2	-2.7	0.4	0.5
17th	-1	1.1	0.2	1.4	-2.1	-1.4	0.6	0.4	1.3	0.6
18th	1.2	-0.1	-2.8	-1.9	-5.1	-2.3	-1.6	-0.6	-0.6	-1.3
19th	-1.5	1.9	0.6	-0.1	-2.7	-2.8	3.3	-0.6	-1.4	-1.8
20th	-10.7	-8.8	4	2.5	23	-0.4	14.8	7.3	0.8	-0.4

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RUN 23   PT 23

V/OR = 0.251   ALFS,U = -10.01   CLRH/S = 0.107480   CTH/S = 0.109185
VKTS = 100.1   MTIP = 0.604   CXRH/S = 0.019221   CP/S = 0.009178

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	267		97.2		190.7		-45.1		16.2	
RMS	98.9		58.6		64.6		114.9		38.7	
1/2 P-P	171.5		111		121.1		211.1		73.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	94.4	70.5	65.3	-9.4	54.1	-56.6	51	-91.6	-20.9	-42.6
2nd	39.1	34.9	7.7	28.5	-4.5	28.7	-90.5	-22	-18.8	-0.6
3rd	-8.1	41.6	-10.2	32.3	-14.7	29.2	-29.1	68.9	-13.4	5.6
4th	17	-18.2	11.3	-11.2	8.5	-6.9	-21.9	17.9	2.9	6.5
5th	-9	0.3	-8.2	2.9	-9.5	2.5	14.6	-8	5.1	2.2
6th	-2.8	-13	-3.1	-5.6	-2.5	-1.9	1.3	3	-0.3	-6.7
7th	1.3	5.6	1.2	5.2	-0.2	2.8	0.2	-2.5	-0.6	-2.8
8th	-5.4	-5.9	-4.2	-2.6	-2.4	-0.9	0.4	-1.9	-0.3	0.6
9th	-0.6	-3.5	-1.8	-0.7	-1.4	0.9	-1.6	-1.3	-1	2.9
10th	4.2	4.3	2.3	2.8	-1.5	1.3	1.4	1.2	-1.3	-0.5
11th	-11	-6	-6.6	0.4	1.6	1.4	-3.6	0.6	3	-0.8
12th	0.1	-0.7	0.5	1.8	0.6	0.9	1	1.7	-0.6	-1.5
13th	-1.9	0	-0.7	1	-0.1	0	0.1	0.7	-0.8	-0.1
14th	0.1	-5.6	0.1	0.5	0.3	2.6	0.8	2.4	-0.8	-1.8
15th	-2	-3.2	-0.9	-0.5	0.9	0.8	1.6	0.9	-0.8	-1.5
16th	-1.3	0.2	0.3	-0.2	0.6	-0.5	0.2	-0.3	0.3	0.1
17th	-1.4	-2.4	-0.7	-0.3	0.8	0.7	0.8	0.8	-0.4	-0.2
18th	-0.5	-0.8	0.5	0.2	0	0.4	-0.2	0.1	0.7	0.1
19th	-1.8	-1.9	0.4	-0.1	1.3	0.5	-0.4	-0.1	1.5	0.4
20th	1.6	-0.7	0.3	-0.4	-0.3	0	-0.2	0.2	-0.4	0.6

RUN 23   PT 23

V/OR = 0.251   ALFS,U =-10.01   CLRH/S = 0.107480   CTH/S = 0.109185
VKTS = 100.1   MTIP = 0.604   CXRH/S = 0.019221   CP/S = 0.009178

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	181.1		783.3		347.1		1402.3		-214.5	
RMS	479.5		408.5		491		430.8		277.7	
1/2 P-P	729		774.8		967		876.4		465	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	176.7	640.8	30.7	524.6	-98.4	592.3	-165.6	459.9	155.8	326
2nd	53.1	-40.2	41.9	-83.1	75.6	-111	105.8	-96.6	88.9	106.5
3rd	57	20.6	-12.9	-19.8	-59.9	-50.3	-71.4	-59.2	-2.4	34.9
4th	21.7	64.1	42.6	163.6	51.7	241.2	57.7	244.4	32.7	-30.7
5th	-7.5	-66.7	-88.9	-92.7	-142.6	-116.6	-161.5	-107.9	-27.4	-12.1
6th	-2.3	-5.7	6.5	10.7	13.8	12.2	15.5	7.8	-10	-15.1
7th	-1.7	-11.3	-6.3	-4.3	-3.7	4.6	1	13.4	-6.3	2.7
8th	-1	0.3	5.6	5.1	9	5.3	6.7	1.5	-3.3	-2.5
9th	-8.8	0.2	-4.4	4.6	2.8	2.7	5.6	-1.9	3.2	-2.6
10th	13.9	-4.3	4.4	-6.5	3.4	-0.1	-4.8	5.8	2	-1.9
11th	5.8	3.6	15.4	4	1.8	1	-10	0.2	-0.8	-6.3
12th	16	30.1	29.5	31.6	17.7	18.9	-10.6	-11.7	1.6	-5.6
13th	0.7	0.7	3.1	-1.2	0.8	0.2	-0.5	1.8	1.8	-0.9
14th	-0.6	-1.5	4.1	4.8	2.6	-0.8	0.2	3.8	1.2	-13.8
15th	0.8	0.3	4.7	-0.9	-0.4	-3.9	0.6	0.1	1.7	-0.2
16th	1.2	-1.8	5.6	-12.9	5.5	-11.2	3	-3.4	-1	0.5
17th	-0.6	0.9	1.5	0.6	-1.5	-2.4	0.6	0.2	2.2	1.3
18th	-0.3	-1.3	-0.6	-0.2	0.2	0.7	0.1	1.5	-0.7	-1
19th	-1.2	1	0.3	0.2	-1.6	-2.8	3.1	-0.3	-1.8	-1.7
20th	-15.1	-0.9	3.7	-3.1	22.1	-14.7	13.9	-6.4	0.7	1.4

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RUN 23   PT 24

V/OR = 0.250
VKTS = 100.0

ALFS,U = -10.01
MTIP = 0.607

CLRH/S = 0.114301
CXRH/S = 0.020706

CTH/S = 0.116160
CP/S = 0.010790

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	295.4		116.4		117.5		-46.3		26.7	
RMS	118.4		73.2		73.8		120		48.2	
1/2 P-P	228		148.6		238		218.5		107.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	111.9	72.8	72.7	-7.2	57.3	-49.6	34.1	-91	-25.6	-52.7
2nd	38.1	46.8	4.9	37	-7.1	36.7	-96.6	-23.6	-18.8	0.6
3rd	-29.5	38.2	-21.7	34.7	-24.2	32.4	-20	84.8	-16.5	10.4
4th	8.9	-36.8	9.6	-26.5	13.6	-17.9	-25.3	24.1	-1	14.5
5th	-12.4	-23.9	-7.2	-13.8	-7	-11	13.7	1.8	3.7	5.4
6th	15.9	-20.8	16.5	-20.2	15.7	-9.5	-10.3	11.9	0.8	-3
7th	-19.5	5	-9.7	5.1	-6.1	0.1	-4.9	-3.7	-5.8	-3.4
8th	3.4	-11.5	0.3	-10	1.9	-1.8	2.3	-0.8	-1.3	1.5
9th	0.9	-6.7	-3.2	-1.3	-4.7	-2	-2.9	-2.6	-0.3	4.2
10th	-8.6	-4.2	-5.1	0.3	1.5	3.6	-3.2	1	2.9	0.5
11th	-26.8	-10.1	-15.3	1	0	-4.8	-8.7	2.3	8.1	-2.1
12th	-2.8	-5	-1.8	-1.1	2.7	3.6	0.1	0.6	0.1	-0.1
13th	-2.1	1.8	-1.9	-0.3	-2.1	-5.6	-0.7	-0.9	0.5	1.1
14th	-3	-1.2	0.2	-0.3	3.2	3.6	1.6	-0.6	-0.6	0.3
15th	1.1	-4	-0.3	-1.9	0	-2.6	0.6	1.4	0.7	-1.9
16th	-1.8	1.8	-0.5	0	1.4	3.8	0.3	-1.4	-0.2	0.1
17th	1.6	-1.6	0.1	0.7	-0.2	-3.4	-0.1	-0.2	0.1	0.2
18th	-0.2	-1.4	-0.4	-1.3	1.3	5.6	0.2	1.5	0.5	-1
19th	-3.1	-3.8	0.8	0.6	2.5	-3.5	0.3	-1.3	3.9	0.9
20th	-3.9	3.7	-1.1	0.8	-0.4	1.5	0.1	0.9	1.3	-3.3

D-383

RUN 23   PT 24

V/OR = 0.250	ALFS,U =-10.01	CLRH/S = 0.114301	CTH/S = 0.116160
VKTS = 100.0	MTIP = 0.607	CXRH/S = 0.020706	CP/S = 0.010790

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	220.7		825.6		356.2		1463.7		-240.3	
RMS	488.5		433.1		516.2		449.1		328.9	
1/2 P-P	845.7		912.3		1107.2		913.8		648.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	245.1	622.3	83.4	495.6	-42.7	558.4	-106.2	409	164.9	367.2
2nd	25.6	-26	21.1	-105.2	66.1	-152.5	110.9	-152.3	70.2	157.4
3rd	41	-52.4	-22	-86.8	-73.9	-122.4	-92.4	-113.5	-60.7	1.4
4th	60.5	81.5	125.9	174.4	152.9	251.1	161.4	235.7	-9.3	-31.8
5th	87.1	32.7	187.5	47.5	241.4	65.9	257.2	57.8	-56.1	-43.9
6th	-17.5	37.2	2.6	86.4	-7.8	121.6	18.7	94.1	-101.5	39.2
7th	20.5	-11.8	18.7	-14.9	1.4	4.2	-20.8	18.1	-31.4	31.9
8th	-12.9	13.2	-11.2	20.7	-7.2	17.7	-0.1	-7.1	-11.1	26
9th	15.8	-2.5	9	14.2	6.3	22	-7.3	22	9.4	2.9
10th	13.9	-3.2	18.5	6.6	4.6	14.5	-13.3	15.2	-5.8	4.1
11th	35	17.2	64.7	10.9	21.7	5.1	-30.9	-6.7	-3.6	-5.3
12th	41	-12.3	49.1	-24.9	28.7	-16.5	-20.4	4.4	6.8	8.5
13th	10.2	1	13.6	-4.9	7.8	1.7	-8.9	-1.2	13.5	14.1
14th	-0.7	-2.1	6.6	-2.9	2.1	-0.9	-1.2	3.3	-1.8	-3.9
15th	2	-1.6	4.2	1.6	3.1	-2.4	2.1	2	1.9	0.1
16th	-1.3	-1.8	-8	-11.2	-8.5	-8.6	-0.1	-4.7	-0.7	1.2
17th	0	-0.8	0.1	2.2	1.4	1.7	-1.4	4.1	2.2	-7
18th	0.1	-0.2	-1.4	5.2	-3.6	3.9	-2.8	2.3	-1.5	9.7
19th	2.1	-0.5	-2	-0.3	-9	-1.3	3.8	4.3	-2	-6.9
20th	-21	1.2	9.2	-5.1	28.1	-8.6	22.7	-18.4	9	0.9

D-384

RUN 25   PT 14

V/OR = 0.250   ALFS,U = -2.00   CLRH/S = 0.037793   CTH/S = 0.037787
VKTS = 99.8   MTIP = 0.607   CXRH/S = 0.000490   CP/S = 0.001529

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	97.8		-39.5		-3.4		-67.5		-11.1	
RMS	36.5		46		58.9		71.4		18.5	
1/2 P-P	84.4		86.4		101.6		123		43.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	15.2	-15.4	22.2	-41	32.8	-61.9	42.1	-74	1.5	-19
2nd	-8.5	16.2	-9.5	26.4	-11.3	35	-23.7	42.6	-4.7	11.7
3rd	19.2	-15	16.7	-19	16.1	-16.1	7.7	16.9	0.4	5.5
4th	12.5	4	11.2	0.4	5.4	-1.1	-0.4	4.6	-0.8	2.4
5th	9.1	1.4	9.1	0.8	5.7	0.9	-7.5	-0.1	0.2	-1.5
6th	2.1	8.1	3.4	6.2	0.9	4.4	-3.3	-5.7	-0.3	-2
7th	-0.2	7.9	1.4	5.7	-0.6	2.5	-0.1	-1.9	-2.7	0.8
8th	-8.9	14.3	-3.9	11	-2	3.5	-3.1	1.9	-2.3	1.5
9th	-4.1	8	-0.5	5.6	0.5	1	-3.1	3.2	2.1	-3
10th	4.5	4.3	3.7	1.1	0.1	-0.5	1.4	1	0.4	-2.8
11th	9	15.5	7.6	5.9	-0.5	-1.9	4.3	2.7	-3.8	-1.5
12th	0.8	-5.6	-0.4	-3.2	0.1	0.9	-0.7	-1.1	-0.4	2.1
13th	3.7	-7.2	0	-3.3	-0.5	2	-1.1	0.6	0.9	-1.2
14th	3.1	-3.3	-0.5	-1.7	-0.6	1.3	-0.6	0.6	0.5	-2.4
15th	-2.1	2.4	-0.7	0.9	0.8	-1.1	1	-1.4	-1.2	1.9
16th	-3.2	-2	-1.3	0.1	1.9	0.3	2.3	0	-1.5	1.7
17th	1.8	-0.3	0.3	-0.5	-0.6	0.1	-0.4	0.1	0.2	0
18th	4.1	1.4	0.5	-0.1	-1.8	-0.3	-1.2	-0.7	-0.8	-1.3
19th	7.3	0.3	-0.3	-0.4	-3	1.6	0.3	-0.4	-3.3	0.8
20th	4	8.8	-0.2	-0.9	-4.3	-3	1.4	0.2	-3.9	-3.3

D-385

RUN 25 PT 14

V/OR = 0.250 ALFS,U = -2.00 CLRH/S = 0.037793 CTH/S = 0.037787
VKTS = 99.8 MTIP = 0.607 CXRH/S = 0.000490 CP/S = 0.001529

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-44.3		694.2		362.1		1394.1		5.9	
RMS	119.9		138.6		213		199.4		57.9	
1/2 P-P	211.9		284.8		404.4		390.5		99.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-87.4	125.8	-108.9	120.8	-167.4	193.9	-169.9	166.9	36.9	66.1
2nd	21.8	-46.5	32.7	-59.3	49.5	-106.6	54.2	-106.7	-4.9	1.3
3rd	-16.7	30.2	-30.1	51.1	-43.6	67.5	-36.5	38.5	17.4	-9.8
4th	-5.3	-0.4	-7.8	-4	1.7	-0.8	11.8	-9	-3.4	10.2
5th	-16.1	7.5	-13.8	35.8	-11.1	57.5	-0.6	62.3	-5.6	-3
6th	-2.6	-8.9	-11	-7.1	-11.6	-4.2	-14.5	1.8	-9.4	2.4
7th	-9	-1.1	-2.1	-7.3	9.4	-6.5	9.7	-2.2	0.5	2.8
8th	2.4	-4.8	4.7	-14.5	4.8	-6.6	-7	9.4	-5	3.6
9th	-5.7	-6.4	-2.9	-10.7	0.6	-5.3	0.8	5.3	-1.8	-1.4
10th	4.8	-2.2	-0.8	-4.7	1.2	-1.2	0.9	3.4	0	-1.2
11th	0.2	-9.5	-11.9	-18	1.9	-2.4	9.6	12.2	-2.5	3.3
12th	-1.2	6.9	2.3	11.8	1	1.7	0.1	-6.6	0.8	1.7
13th	-3.8	6.2	-2.8	17.4	-1.4	3.5	0.5	-5.9	1.7	-0.6
14th	-0.1	0.8	-1.8	1.9	-0.9	-4.3	-0.1	-1	4.8	1.8
15th	-1.1	0.2	0.1	-1.5	-2.8	3.3	0.6	-0.9	-3.3	0.5
16th	-0.7	0.5	4.8	1.7	-2	1.4	1.8	-0.1	0.1	-2.7
17th	-1.4	0.8	0.6	0.4	3.7	-1.1	0.2	-2.2	-2.8	0.4
18th	-1.6	-1.1	-2	0.8	5.3	1.7	-2.3	-0.6	-0.7	2
19th	1.5	1.4	-3.8	2.3	2.7	-3.7	-9.4	3.1	2.7	1.5
20th	-2.3	-5.5	-2.9	0	17	10.5	-6.4	-3.6	-0.6	4.5

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RUN 25   PT 15

V/OR = 0.252
VKTS = 99.7

ALFS,U = -2.00
MTIP = 0.604

CLRH/S = 0.050658
CXRH/S = 0.001040

CTH/S = 0.050663
CP/S = 0.001868

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	119.8		-23.2		37.2		-70.7		-7.9	
RMS	38.5		45.5		60.5		78.4		21.4	
1/2 P-P	99		86		106		143.4		56.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	16.9	-0.7	24.3	-37.5	36.9	-63.3	44.5	-77.9	-3.4	-20.3
2nd	-2.8	18.5	-7.6	27.7	-11.8	35.3	-38	39.2	-7.6	11.9
3rd	17.9	-11.1	16.6	-13.4	16	-10.1	8.1	29.1	-0.8	7.5
4th	9	4.4	7.8	0.6	1.8	-1.1	0.6	8.3	1.4	3.5
5th	8.5	4.6	9.4	4.4	6.4	4.3	-8.1	-4.8	1.3	-2.2
6th	0.5	5.2	1.3	4.7	-0.1	4	-1.5	-5.4	-1.4	-3.1
7th	0.2	13.1	2.5	8.7	0.4	3.1	-1	-1.3	-3.9	0.8
8th	-13.8	17.4	-6.2	14.1	-2.2	4.5	-4.7	1.4	-2	2.5
9th	-4.5	8.5	-0.3	6.6	0.7	1.5	-3.5	3.6	3.9	-2.5
10th	7.1	6	5.8	1.6	0.3	-0.3	2.9	1.9	0	-3.3
11th	14.4	22.1	12	8.7	-0.4	-1.8	6.9	4.3	-6.5	-3
12th	1.9	-5.5	0.3	-3.4	0.2	0.9	-1	-1.7	-0.4	2.7
13th	5.1	-8.7	0.2	-4.2	-0.8	2.3	-1.8	0.4	2.3	-0.9
14th	3.3	-4.8	-0.5	-2.2	-1	1.8	-0.8	1.1	1.2	-3.2
15th	-3	2.4	-1.2	1.1	0.9	-1.3	1.1	-1.4	-2.5	1.8
16th	-4.4	-1.5	-1.3	0.8	2.2	0.2	2.8	-0.4	-2.5	2.6
17th	-0.6	-0.3	-0.2	0	0.4	-0.3	0.4	-0.6	0.4	0.3
18th	3.3	1.6	0.4	-0.3	-1.3	-0.8	-1.5	-0.9	0.2	-2
19th	8.1	0.8	0.1	-0.6	-3.3	1.1	-0.3	-0.1	-3.5	0.3
20th	3.6	11.3	0.2	-0.9	-5.1	-4.5	1.5	0.5	-4.9	-4.4

RUN 25   PT 15

V/OR = 0.252   ALFS,U = -2.00   CLRH/S = 0.050658   CTH/S = 0.050663
VKTS = 99.7   MTIP = 0.604   CXRH/S = 0.001040   CP/S = 0.001868

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-64.1		672.9		338.3		1373.9		-26.5	
RMS	288.1		258.8		316.3		271		89.6	
1/2 P-P	452.8		442.6		533.3		502.1		148.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-145.6	370.2	-158.8	306	-216.7	349.7	-206.1	269.1	52.9	109
2nd	59.6	-52.7	61.8	-69.9	77.9	-118.8	77.6	-118.7	9.7	6.2
3rd	-12.3	-0.1	-32.1	23.5	-48.8	38	-41.9	14	14.4	-13.7
4th	-4.5	1.9	-1.7	4.5	10.9	14.9	18	9.2	-6.6	7.8
5th	-17.9	-1.1	-3.2	36.8	8.8	66.1	23.3	77.1	-12.4	-6.3
6th	0.1	-11.8	-12.5	1.5	-17.8	13.3	-25.9	20.6	-6.1	5
7th	-11.3	9.9	-3.1	-5.4	7.2	-10.2	8.6	-8.7	-4.8	4.9
8th	3.3	-6.1	8.6	-18.3	6.5	-9.8	-9.2	11	-5.2	5.6
9th	-10.8	-2.9	-4.6	-9.5	0.1	-6.6	3.3	2.5	2.6	-0.7
10th	-0.9	-6.8	-8	-7.7	-0.1	-1.3	7	7.7	-1.9	-1.7
11th	-1.2	-19.6	-20.5	-29.4	1.5	-4.8	15.3	21.4	-4	2.5
12th	-3.1	7.1	-0.5	13.6	1	2.4	1.6	-8.1	-0.6	2.9
13th	1.2	11.7	6	24.6	5.5	6.9	-2.1	-8.5	3.5	0.2
14th	-0.6	1	-3.9	7.8	-3.6	-0.8	-0.3	-1.1	8.7	-2.3
15th	-1.4	1.7	-9.6	-0.2	-14.9	4.1	-0.6	-0.1	-3.5	-1
16th	0	0.2	7.6	-1.1	0.9	0.1	3.4	0.3	-0.8	-6.7
17th	-0.5	1.4	-1.4	-0.5	-3.4	1.1	-0.5	-2.5	-3.5	1
18th	-3.5	1.3	1	-1.7	7.9	-2.1	0.3	-3.6	-4.4	4.1
19th	-4.9	-2.4	-1.4	0.8	14.2	-4.9	-3.9	2.7	3	2.7
20th	-9.9	0.7	-2.2	-5.6	22.7	-2.2	-4.3	-16.8	-4.3	4.6

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RUN 25   PT 16

V/OR = 0.251
VKTS = 99.8

ALFS,U = -2.00
MTIP = 0.605

CLRH/S = 0.060608
CXRH/S = 0.001427

CTH/S = 0.060621
CP/S = 0.002161

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	140.5		-9.6		58.8		-73.4		-6	
RMS	41.3		45.1		64.8		84.8		24.2	
1/2 P-P	103.8		90.8		114.7		155.6		65.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	24.4	11.6	28.6	-34.4	38.2	-70.4	46.9	-81.2	-7.2	-21.7
2nd	0.1	19.1	-7.2	27.9	-11	36.7	-47.3	35.4	-9.7	12
3rd	12.7	-7	14.6	-8.8	14.4	-6.7	6.9	38.9	-2.4	9.4
4th	7.6	2	6.3	-0.3	1.4	-2.1	-0.3	11.5	2	4.5
5th	7.3	6.4	9.2	7.5	5.2	8.2	-8.7	-9.8	1.8	-3.1
6th	-2	4.4	-0.6	4.3	-0.2	3.7	-0.3	-5.6	-2.1	-3.8
7th	3.7	15.7	4.8	9.8	0.5	4.2	-1	-1.6	-3.8	1.2
8th	-18	15.4	-8.8	12.9	-2	4.2	-6	0.5	-2	2.8
9th	-5.7	8	-1.1	5.7	-0.1	0.6	-3.9	4.1	4.8	-2.8
10th	10.2	6.8	7.3	2	0.3	-0.5	4.1	2.7	-0.6	-3.8
11th	16.9	20.6	13.4	7	-0.1	-0.8	7.6	3.4	-7.6	-2.5
12th	2	-4.3	0.3	-2.9	-0.3	0.1	-1.5	-1.9	-0.2	3.2
13th	5.8	-9.7	1.3	-4.6	-0.5	3.3	-1.2	0.2	2.5	-0.8
14th	5	-7.1	0.2	-3	+0.7	2.9	-0.6	2.2	1.7	-4.3
15th	-2.9	0	-1.4	0.4	1	0.3	1.8	-0.1	-3.4	0.5
16th	-4.9	-1.8	-1.2	1.1	1.9	0.3	3	-0.5	-3	2.8
17th	-1.6	-1	-0.8	0.2	1.1	-0.3	0.8	-0.9	0.4	0.9
18th	2.9	1.5	0.3	-0.2	-1.4	-0.6	-1.4	-1.3	0.6	-1.9
19th	7.6	4.1	0	-0.8	-4.1	0.2	-0.5	-0.4	-4.5	-1.3
20th	0.3	10.8	0.2	-0.8	-3.9	-5.1	1.4	0.8	-4.5	-4.3

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RUN 25   PT 16

V/OR = 0.251   ALFS,U = -2.00   CLRH/S = 0.060608   CTH/S = 0.060621
VKTS = 99.8   MTIP = 0.605   CXRH/S = 0.001427   CP/S = 0.002161

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-36		686.3		341		1386		-28.6	
RMS	345.2		297		353.5		302.9		117.8	
1/2 P-P	572.8		549.8		615.8		573.9		294.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-59.3	476.1	-102.9	384	-181.3	421.9	-188.1	318.1	71.5	141.8
2nd	30.6	-40.3	39.9	-63	63.6	-115.9	72.2	-121	16.9	8.9
3rd	-48.4	-31.4	-68.9	-3.5	-86.5	9.8	-72.8	-10.4	13.9	-16.6
4th	10	1.8	17.8	12.5	32.9	29.2	36.4	25.5	-10.2	-4
5th	-17.1	-9	9.6	51.8	29.3	97.2	48.7	117.1	-14.2	-7.8
6th	-5.2	-8.1	-11.9	3.5	-15.1	12.7	-22.6	16	-10.4	-0.3
7th	3.2	2.5	-0.8	-7.2	3.7	-2.8	0.9	4.2	-5.6	8
8th	4.5	-3.2	12.9	-16.9	8.2	-9.2	-11.1	6.5	-12.1	3.9
9th	-4.8	20.6	2.3	2.5	1.1	-6.8	-3.2	-12.7	3.7	5.5
10th	-2.4	-4.2	-10.8	-5.2	-0.2	-1.1	9	7.2	0.6	2
11th	-25.8	-25.9	-44.4	-27.4	-8.3	-4.7	29.7	22.2	-0.3	5.1
12th	-4.4	8.6	-0.5	14.7	1.4	4.2	0.9	-8.4	7.9	1.4
13th	10.7	4.3	18.6	8.7	15.5	-5.4	-5.2	-4.7	1.9	1.4
14th	-0.3	1.8	4.6	10.7	5.6	-2.3	-1.6	-0.4	11.1	-8.6
15th	0.7	-0.2	4.1	5.3	-0.6	7.1	-0.3	1.8	2.4	0.4
16th	0.4	-0.7	5.8	-4	-1.3	-3	2.8	1.1	-2.2	-15.9
17th	2.3	0.6	1	2.6	-4.1	5.8	-0.2	-0.1	-5.8	4.5
18th	1.9	0.1	-3.8	-1.1	-1.7	1.2	-3.6	-1.8	-8.7	4.8
19th	2.3	-3.6	-5.3	4.6	6	8.1	-11	5.7	1.7	6
20th	11.4	2.2	-8.9	-2.2	-9.5	15.4	-20.9	-7.9	0.2	4.4

RUN 25   PT 17

V/OR = 0.252
VKTS = 99.8

ALFS,U = -2.00
MTIP = 0.603

CLRH/S = 0.069951
CXRH/S = 0.001853

CTH/S = 0.069973
CP/S = 0.002498

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	158.3		3.6		97.3		-75.4		-4.7	
RMS	47.3		46.7		63.5		91.4		27.3	
1/2 P-P	120.8		93		115.8		165.7		78.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	31.4	18	32.4	-33.5	41.7	-65.8	49.1	-85	-10.7	-23.7
2nd	4.1	20.3	-6.4	28.5	-10.3	32.2	-55.9	32.5	-11.6	12
3rd	9.3	-1	12.6	-3.8	14.8	0.4	5.6	46.1	-3.8	10.9
4th	6.1	-1	4.4	-1.9	-5.3	-7.4	-1	15.3	2.8	5.6
5th	5	5	7.7	7.1	4.8	5.9	-8	-10.3	2.7	-2.5
6th	-3.9	3.4	-2.4	4.1	-0.7	4.9	0.9	-5.7	-2.5	-4.2
7th	4.5	13.9	5.5	9	-3.3	3.1	-1.2	-1.7	-4.5	0.5
8th	-23.7	15.4	-12.5	13.9	-2.2	4.5	-7.1	-0.2	-2.9	3.5
9th	-8	8.7	-3.1	6.9	-0.7	4.9	-4.3	4.5	4.9	-1.7
10th	11.9	6	7.8	1.6	-0.5	-1.5	4.6	3.1	-0.5	-3.5
11th	22.3	25.3	17	8.1	9	-5.4	9.9	4.5	-9.5	-3.8
12th	1.2	-1.7	0.5	-1.4	-1.6	0.6	-1.3	-1.7	-0.5	3.1
13th	5.4	-9.5	2	-5.4	2.3	-0.6	-0.4	-1	2.3	0.7
14th	3.3	-6.3	-0.1	-3.6	0.3	3.2	0	1.4	1.7	-3.6
15th	-3.4	1.1	-1.3	0.7	-4.2	-1	1.9	-0.3	-3.8	0.4
16th	-7.5	-1.2	-1.7	2	2.3	-1.5	4	-1.2	-4.8	3.2
17th	-2.4	-2	-1.2	0.4	1.1	2.4	1.6	-0.8	0.2	1.7
18th	3.2	1.8	0.4	0.1	-3.1	0.9	-1.3	-1.8	1.2	-1.3
19th	8.8	5.4	0.1	-0.8	-2.9	0.5	-0.5	-0.5	-5.1	-1.7
20th	-1.4	12.3	0.6	-0.6	-1.9	-0.4	1.3	1.1	-4.4	-5.4

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RUN 25   PT 17

V/OR = 0.252	ALFS,U = -2.00	CLRH/S = 0.069951	CTH/S = 0.069973	
VKTS = 99.8	MTIP = 0.603	CXRH/S = 0.001853	CP/S = 0.002498	

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-17.3		688		340.3		1381		-35.2	
RMS	368.7		317		378.2		321		134.3	
1/2 P-P	594.2		564.6		634.3		598.3		212.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-26.4	510.7	-88.1	413.2	-176.1	456.6	-189.3	343.7	85.2	161.6
2nd	41.3	-40.2	49	-67	74.9	-121.1	83.7	-128	23.4	14.4
3rd	-57.3	-16.5	-81.8	9.2	-105.1	19.2	-90.9	-4.9	11.2	-15.1
4th	13.4	6.3	24.2	28.4	39	54.1	38.8	51.9	-5.9	-9.5
5th	-24.1	-20	-0.3	38.1	17.5	81	36.5	101.6	-12.6	-12.7
6th	-10	-9.3	-13.9	5.7	-17	15.5	-23.9	18.9	-13.3	-4.4
7th	-0.2	-10.9	-0.4	-6.9	9	6.3	10.6	17.9	-6.7	5.7
8th	8.8	-7.7	19.1	-20.7	10.6	-9.4	-15.6	8.3	-14	3.8
9th	13.7	11.6	13.1	-6.7	3.2	-7.8	-14	-4.5	5.8	4.3
10th	2.7	1.1	-7.7	-1.2	0.9	-1	6.8	3.7	0.2	2
11th	-39.7	-8.2	-58.1	-11	-10.6	4.4	39.5	13.8	-1.5	6.9
12th	-3.6	11.1	0.9	14.8	3.1	6.1	0.3	-7.5	6.4	0.6
13th	13.1	-6.7	18	-11.6	14.8	-20.1	-3.9	-0.2	-2.6	3
14th	0.8	1.4	3.7	3.4	3.9	-8.1	-1.1	-0.9	7	-4.7
15th	-1.1	-2.2	6.2	-4.3	2.9	-1.9	-1.4	2	5.9	-0.5
16th	0.2	-2.1	2.2	-3.8	-8.2	1.5	1.7	1.8	-4.5	-17.9
17th	0.9	-0.9	3.8	-0.1	-0.8	2.1	1.7	-0.9	-3.1	5.2
18th	0.8	-6.6	-3.9	5.3	1.7	13.5	-2.7	3.9	-8.9	2.4
19th	0.4	-6.5	-3.4	3.7	16	7.9	-8.9	5.7	3.3	4.4
20th	10.2	-17	-5	3	7.1	41.6	-9.5	6.8	-4	4.2

D-392

RUN 25   PT 18

V/OR = 0.251   ALFS,U = -2.00   CLRH/S = 0.080127   CTH/S = 0.080155
VKTS = 99.8   MTIP = 0.605   CXRH/S = 0.002184   CP/S = 0.002909

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	179.5		17.7		150.6		-77.7		-1.7	
RMS	55.8		47.3		69		99		31.5	
1/2 P-P	128.3		93.2		140.9		174.6		91.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	35	28.2	34.4	-30.5	44.6	-71.8	51.9	-88.5	-14.2	-26.2
2nd	8.2	22.5	-6.3	28.7	-13	33.7	-66.5	27.7	-14.3	11.6
3rd	5.3	5.5	9.4	1.7	12.2	2	2.3	53.9	-5.6	12
4th	2.8	-4.7	1.7	-4.5	0	-5.9	-2	20	3.7	6.9
5th	2.1	3.4	5.2	5.2	5.4	6.2	-5.3	-10.6	4	-1.7
6th	-8.1	2.2	-4.7	3.5	-7.1	6	1.8	-5.4	-3.9	-5.2
7th	1.2	12.6	4	8.2	-2.6	2.8	-1.7	-2.3	-6	-0.1
8th	-28.9	13.1	-15.3	12.9	-6.2	3.1	-8.1	-1	-3	4.1
9th	-8.7	6.6	-4.3	6.5	-3.6	3	-5.1	4.1	6.2	0
10th	15	3.9	9.2	0.6	0.2	0.6	5.3	3.3	-0.6	-2.9
11th	23.4	37.3	19.7	13.8	9.8	-.9	11.3	7.9	-11.1	-6.8
12th	2.1	1.5	1.6	0	-1.4	-0.7	-0.6	-2	-1.5	3.4
13th	7.7	-9.2	2.2	-6.1	-0.8	1.7	-1	-1.8	3.3	1.9
14th	7.6	-4.5	0.5	-4.1	-3.2	2.3	-1.8	1.3	3.7	-3.3
15th	-1.1	2.6	-0.4	1	-1.1	-1.6	0.7	-0.3	-3.3	-0.2
16th	-8.7	-1.8	-2.3	2.4	2.1	0.3	4.7	-1.3	-5.9	2.9
17th	-2.5	-2.8	-1.4	0.1	-2	2.5	2.2	-0.7	0	2.1
18th	3.8	2.9	0.9	-0.2	-1.6	-1.3	-1.2	-2	1.5	-1.1
19th	9	9.3	0.5	-0.6	-8.7	0.2	-0.3	-0.4	-6.5	-3.5
20th	-6.2	8.9	1	-0.2	0.1	-3.2	1	1.6	-1.8	-5.1

D-393

RUN 25   PT 18

V/OR = 0.251	ALFS,U = -2.00	CLRH/S = 0.080127	CTH/S = 0.080155	
VKTS = 99.8	MTIP = 0.605	CXRH/S = 0.002184	CP/S = 0.002909	

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	0.8		693.6		337.5		1389.2		-27.9	
RMS	391.3		339.5		407.8		344.8		157.4	
1/2 P-P	585.3		565.3		645.6		636.2		367.5	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-8.2	540.1	-83.7	436.1	-179.8	485.2	-196.5	364.1	96	187.7
2nd	58.7	-41.2	64	-72.6	95.6	-126.2	105.1	-135.1	35	27.5
3rd	-55.3	11	-87.6	31.5	-118.4	37.4	-106.3	6.7	6.7	-13.4
4th	-7.2	19.6	5.4	62.8	17.2	101	16.6	100.6	-8.5	-20.6
5th	-49	-28.9	-62.1	29.5	-72.2	68	-59.5	87.2	-16.2	-11.8
6th	-26.9	-1.8	-13.3	6.7	-6.2	7.1	-4.2	4.8	-21.9	-6.1
7th	-9	-14.3	-0.2	-2.4	13.5	13.5	19	22.8	-7.5	6.8
8th	1.8	-6.3	21.3	-18.7	14	-10.3	-10.8	2.5	-14.5	5.6
9th	10.8	1	12.7	-10.5	4.7	-9.2	-11.8	1.3	8.8	1.5
10th	6.1	-7.6	-8.9	-4.9	0.9	-3	4	9	1.2	2.4
11th	-27.9	-16.7	-54.9	-29.1	-6.7	2.7	37	27.2	-2.9	10.5
12th	11	20.6	17.7	18.3	13.3	10.8	-4.9	-8.7	4.5	-1.8
13th	3.1	-1.4	2.1	2.2	4.9	-12.3	0.7	-5.4	1.7	7.8
14th	1.3	1	-5.7	4.1	0.7	-8.1	-2.6	-2	8.4	0.7
15th	-0.4	-0.6	-1.3	0.3	-0.4	3.8	-3.1	2.2	6	-1.1
16th	-0.1	-0.3	7.3	3.1	-5.7	9	1.9	3.9	-1.9	-18
17th	2.1	-1.9	3.2	1.3	-5.1	3.5	1.2	0.2	-4	7.1
18th	-1.1	-6.4	-2.8	3.7	7.1	10.5	-1.7	2.4	-15.1	-0.6
19th	3.4	-8.8	-7	2.7	15.4	16.2	-14.2	4.6	1.3	6.9
20th	6.8	-23.5	0.2	3.4	9.9	48.5	5	11.6	-5.4	2.9

D-394

RUN 25　　PT 19

V/OR = 0.250	ALFS,U = -2.00	CLRH/S = 0.089435	CTH/S = 0.089475
VKTS = 99.9	MTIP = 0.607	CXRH/S = 0.002725	CP/S = 0.003408

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	200.9		31.8		143		-78.5		0.1	
RMS	67.8		52.7		70.8		106.4		35.7	
1/2 P-P	145.8		109.3		142.1		189.9		105.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	46	30.2	40.1	-30.6	45	-72.7	53.7	-90.9	-17.4	-28.8
2nd	14.2	24.2	-4.3	29.1	-15.1	34.6	-76.4	21.5	-16.6	10.9
3rd	5.8	13.3	8.9	8.3	9.3	8.8	-2.1	61.7	-7.6	13
4th	4.3	-8.5	1.9	-6.9	-0.6	-9.4	-4.5	24.3	4	8.1
5th	-1	2.8	1.1	6	-2.9	6	-0.3	-13.2	6.1	-2
6th	-8.7	1.4	-5.3	2.6	-2.2	1.7	2.8	-4.6	-4.2	-6.1
7th	1	12.8	3.4	8.4	-0.7	5.6	-1.7	-2.7	-6.5	-0.5
8th	-36.7	9.5	-21.1	11.6	-6	4.4	-8.8	-2.2	-4.2	4.4
9th	-10.8	4	-5.9	6.5	-4.2	4.4	-5.5	4.2	6.9	1.2
10th	15.7	2.5	9.5	0.6	0.3	1.4	5.1	4.3	-0.4	-3.1
11th	25.3	51.2	23	20.9	20.4	-1.6	13.7	11.8	-13.2	-10.5
12th	0.4	3.5	1.7	1.4	0.4	0.7	0.4	-2.2	-2.8	3.3
13th	9.6	-8.5	3.1	-5.9	-0.6	4.1	-0.6	-1.7	3.3	2.6
14th	9.8	-4.4	1.3	-4	-2.9	2.5	-2	2.1	4.6	-3.7
15th	-0.4	0.5	-0.1	0.6	-0.6	-1.6	0.7	1.2	-3.4	-2.3
16th	-7	-4.3	-2.6	2.1	1.2	3.6	4.7	0.1	-6.4	1
17th	-0.5	-4	-1.3	-0.3	-2.7	1	1.8	0.1	0.1	2.1
18th	3.7	3.8	1	-0.2	-0.4	0.5	-0.6	-1.9	1.8	-0.8
19th	5.2	12.3	1.3	-0.3	-6.8	-3.7	-0.4	-0.1	-5.1	-5.9
20th	-8.9	1.6	0.9	0.4	1	-2.3	0.1	2	1.6	-3.2

D-395

RUN 25   PT 19

V/OR = 0.250   ALFS,U = -2.00   CLRH/S = 0.089435   CTH/S = 0.089475
VKTS = 99.9   MTIP = 0.607   CXRH/S = 0.002725   CP/S = 0.003408

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	11.2		692.5		320.5		1391.3		-70.9	
RMS	405.3		362.9		442.6		384.9		180.5	
1/2 P-P	626.8		623.7		728.3		723		316.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	31.7	556.1	-65.3	451.9	-172	506.6	-195.1	378	113.4	211.6
2nd	73.9	-38.8	75.8	-74.5	110.4	-129.1	122.9	-139.9	51	38.2
3rd	-30.9	10.6	-78	27.1	-118.4	30.5	-111.1	1	6.6	-8
4th	3	45.6	20.4	108.4	32.5	161.5	30	160.6	-1.6	-29.9
5th	-61.9	-32.2	-108	47.8	-143.4	99.3	-136.4	125.6	-15.8	-8.9
6th	-26.6	2	-19.9	8.4	-20.7	4.9	-18.4	-1.7	-25.3	-7.8
7th	-5.7	-19.7	0.6	-0.6	13.5	20.8	17.7	31.6	-6.7	4.2
8th	2.8	-4.6	28.6	-15.9	18.7	-9.5	-12.3	-1	-18.4	2.5
9th	18	-7.7	18.2	-14.7	7.4	-9.8	-15.2	8	5.9	-3.6
10th	2.1	-12.7	-12.7	-6.7	0.2	-4.3	6.4	12.5	2.7	1.4
11th	-13	-39.6	-52.3	-62.6	-2.5	-5	35.6	49.8	-5.1	12.9
12th	23.8	12.3	29.7	3.6	19.6	4.6	-7.8	-3.5	1.9	-1.8
13th	-0.8	5	-3.2	12.7	3.5	-5.1	3.3	-8.9	-0.4	4.4
14th	1.6	-0.1	-8.3	5	2	-8.8	-2.7	-2.4	12.5	4.8
15th	0.3	-0.6	-0.3	1.9	1.4	3	-4.4	2.3	3.1	-0.5
16th	0.7	0.6	8.2	4.9	-4	7.7	1.1	4.6	8.6	-17.6
17th	0.1	-3	2.7	2.4	-1.8	1	1.3	1.1	-4.6	4.9
18th	-0.5	-6.8	-5.6	3.6	4.5	12	-3.8	3.1	-11	-4.9
19th	1.4	-11.6	-6.3	0.6	17.9	23.7	-10.5	0	0.2	4.1
20th	-4.9	-18.9	6.5	0	16.1	27.4	23.4	5	-6.7	-1.6

D-396

RUN 25 PT 20

V/OR = 0.251 ALFS,U = -2.00 CLRH/S = 0.100333 CTH/S = 0.100379
VKTS = 99.8 MTIP = 0.604 CXRH/S = 0.003081 CP/S = 0.003999

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	223.2		47.4		222.7		-80.2		3.7	
RMS	85.6		59.6		128.2		115.3		41.6	
1/2 P-P	189.4		122.8		485.1		211.5		121	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	56	39.2	45.6	-28.3	59.5	-85.8	55.6	-93.7	-20.4	-32.7
2nd	23.5	26.5	-2.1	30.1	-32.5	42.6	-87.4	16.3	-18.8	9.6
3rd	7	22.7	7.5	16	17.6	24.5	-8.3	69	-10	14
4th	6.4	-11.4	2.1	-8.6	8.5	-21	-7	28.2	4.6	8.5
5th	-3.6	0	-2.5	4.1	-6.5	-4.2	5.2	-13.2	8.8	-1.8
6th	-6.8	-1.5	-4.9	-0.4	-15.8	3.6	4.4	-2.4	-4.2	-7.8
7th	3.8	10.6	4.8	6.3	13.2	22.5	-1.3	-2.9	-7.1	-2.3
8th	-43.3	6.4	-26	9.8	-3.1	2.8	-8.3	-3.7	-6.5	4.5
9th	-13.4	0.5	-8.3	6.6	-14.1	15.2	-6.1	3.7	6.9	3.7
10th	14.3	3.6	9	1.9	5.5	11.9	4	6.7	0.5	-3.8
11th	25	73.3	26.3	32.2	90.5	-25.2	15.7	19.5	-14.3	-17.1
12th	-5.4	6.7	0.3	3.4	11.7	-14.6	0.8	-2.9	-3.2	3.7
13th	9.3	-7.2	3.1	-5	-14.5	6.4	0	-2	3.1	4.1
14th	13.8	-7.8	2.8	-4.6	-5.1	12.2	-2.4	4.3	6	-5.1
15th	2.6	-1.7	0.7	-0.7	0.2	-3.7	-0.1	3.1	-2.2	-5.5
16th	-5.1	-6	-2.9	1.6	-1.2	-3.2	4.5	1.9	-6.4	-0.9
17th	0.8	-6.4	-1.2	-1.5	-12.6	7.7	2.4	1.8	-0.2	1.5
18th	2.9	3.5	1	-0.3	12.4	15.4	0.1	-1.5	2.4	-0.2
19th	-0.8	13.6	1.6	-0.4	6.9	-5.3	-0.7	0.1	-2.2	-8.9
20th	-12.3	-6.6	0.9	0.9	4.8	15.3	-1	2	5.2	-2.1

RUN 25 PT 20

V/OR = 0.251   ALFS,U = -2.00   CLRH/S = 0.100333   CTH/S = 0.100379
VKTS = 99.8   MTIP = 0.604   CXRH/S = 0.003081   CP/S = 0.003999

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	25		687.6		316.3		1384.6		28	
RMS	430		401.2		494.8		444.7		211	
1/2 P-P	677.7		714.9		874.3		830.4		378.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	88	575	-36.7	468	-157.1	531.6	-191.2	392.6	128.6	242.6
2nd	98.1	-38.7	95.1	-80.3	135.6	-135	149.5	-147.3	79.3	54.4
3rd	-1.5	13.2	-67.7	22.7	-118.2	21.3	-118	-8.2	10.2	5.1
4th	27.1	76.1	55.2	160.2	70	230	63	230.6	0.9	-39.4
5th	-80	-34.1	-164	65.1	-227.5	126.2	-227.2	156.4	-19.6	-7.3
6th	-21.2	11.3	-29	13.8	-41.3	5	-41.1	-10.7	-26.8	-0.2
7th	-8.2	-20.8	-1.4	4.8	14.2	28	24.2	32.7	-6.3	9.6
8th	5.3	1.4	36.5	-11.2	23.6	-6.3	-12.9	-5	-16.8	3.5
9th	18	-22.8	21	-20.2	11.3	-11	-11.8	20.3	5.2	-11.1
10th	-3.5	-14.1	-15.5	-7.9	-0.9	-5.4	6.7	17.1	3.6	-0.8
11th	-4.5	-68.5	-57.2	-106.6	-1.3	-13.8	36.5	79.4	-8.4	17.2
12th	24	-18.1	22	-32.6	12.1	-11.7	-6.5	10.7	-4.5	-1.2
13th	-2.6	10.7	-4.9	21.1	1.6	2	3.3	-10.4	0.6	5.4
14th	2.1	-2.9	-7.3	7	7.3	-12.6	-3.3	-0.1	17.3	1.1
15th	0.1	0.9	-2.9	3.3	2.9	-1.2	-5.5	2.1	4.8	1.5
16th	1.5	0.3	11.8	4.5	2.4	3.8	-0.5	5.1	12.7	-13.3
17th	-1.7	0.1	3.4	3.2	-2.7	-5.6	0.9	1.1	-6.5	5.8
18th	-0.7	-6.1	-1.2	0.7	9.3	8.4	-0.4	2.6	-4.3	-6.8
19th	0.7	-7	-7.2	-3.7	8.9	22.4	-7.2	-9.6	-4.3	6.3
20th	-5.2	5.6	5.5	-7.5	-12.3	-9.3	21.1	-13.5	-5.9	-9.8

D-398

RUN 25 PT 21

V/OR = 0.251 ALFS,U = -2.00 CLRH/S = 0.104786 CTH/S = 0.104838
VKTS = 99.8 MTIP = 0.604 CXRH/S = 0.003329 CP/S = 0.004300

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	234.5		54.6		243.3		-81		5.6	
RMS	90		62		147.7		118.4		43.7	
1/2 P-P	201.1		123.8		463.2		222.6		120.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	61.3	36.9	48.2	-29.3	67.4	-84	55.5	-92.9	-20.9	-34.6
2nd	25.1	27.3	-1.9	30.2	-11.3	47.9	-91.2	14	-19.1	8.4
3rd	6.1	27.9	6.6	20.3	11.5	22.1	-8.7	74.1	-11	14.2
4th	8.3	-13.7	3.1	-10.5	12.2	-38.4	-8.5	31.2	4.2	9.4
5th	-5.7	-4.1	-4.5	0.6	7.7	-2.9	8.5	-10.7	9.6	-1.2
6th	-4.8	-6.4	-4.2	-5.3	-12.1	-1.7	5	0.1	-4.3	-8.8
7th	5.1	6.5	5.6	2.4	10.1	25.7	-1.5	-2.8	-7.8	-3.7
8th	-39.1	2.3	-24.1	6.1	-4.8	14.1	-6.7	-4.9	-6.9	4.8
9th	-13	-4.3	-8.8	4.3	-5.5	7.1	-6.3	2.3	7.3	5.6
10th	12.2	2.4	7.3	1.4	5.4	14	2.2	6.8	2	-3.2
11th	19.8	81.2	25.5	37.1	121.2	-1.5	14.8	22.3	-13.3	-19.2
12th	-10.2	7.2	-1.5	4.3	22.1	-10.6	0.8	-3	-2.9	3.9
13th	9	-4.5	3.7	-3.6	-2.7	3.6	0.5	-2.4	3.2	4.8
14th	16.8	-2.2	4.9	-3.3	-6.1	7.4	-3.8	3.5	7.9	-4.1
15th	6.2	1.6	2.3	-0.5	-8	-8.1	-2.6	2.9	0.3	-6.2
16th	-3.2	-6.5	-2.7	1.4	6	4.2	3.9	2.7	-6.1	-2.3
17th	3.4	-7	-0.8	-2.1	-8.7	-0.6	2.1	2.6	-0.8	1.3
18th	1.7	2.9	0.5	-0.5	9.5	25	1.2	-1.2	2.3	0
19th	-6.1	13.6	1.3	0.1	3.7	8.1	0	0	-0.2	-10.3
20th	-16.1	-12	0.6	1.6	6.5	-0.6	-1.8	1.7	8.4	-1.5

D-399

RUN 25   PT 21

V/OR = 0.251	ALFS,U = -2.00	CLRH/S = 0.104786	CTH/S = 0.104838
VKTS = 99.8	MTIP = 0.604	CXRH/S = 0.003329	CP/S = 0.004300

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	43		697		346		1378		137	
RMS	445.2		425.5		524		471.9		217.2	
1/2 P-P	729.7		797.9		965.3		900.5		397	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	100	588.4	-31.7	479.1	-155.4	541.8	-190.2	393.2	140.8	243.1
2nd	98.8	-42.1	95.8	-86.2	139.6	-141.9	154.6	-154.2	81.1	56.6
3rd	-3.6	14.2	-75.9	22.8	-131.1	19.8	-131.6	-8.5	10.3	9.8
4th	38.4	92.7	75.8	188.6	94.5	268.4	88.8	267.5	2.4	-46
5th	-88.6	-31.2	-183.2	72.7	-257.4	138.3	-256.3	164.7	-26	-5.9
6th	-18.9	17.5	-30.5	23	-48.4	15.5	-47.3	-7.8	-29.4	7
7th	-11.9	-18.7	-4.2	10.4	11.4	34.5	24.7	30.2	-7	14
8th	8.8	6.8	36.2	-4.6	22.3	-2.8	-12.6	-8.3	-10.9	4.5
9th	14.4	-26.8	20.3	-17.3	13.3	-8.4	-7.3	24.6	6.7	-12.5
10th	-2.9	-12.5	-11.8	-6.4	1.8	-4.3	7	18.3	2.8	-1
11th	1.2	-93.3	-54.8	-137.3	-0.7	-23.6	34.6	96.5	-14	17.7
12th	23.9	-19.3	24	-35.8	9.1	-12.2	-8.6	10.4	-4.6	-1.4
13th	6.2	9.4	7.1	14.8	11	1.4	-0.1	-8.4	1.9	3.6
14th	1.3	-4.5	-11.8	2.9	10.9	-10.1	-2.3	1.5	15.8	0.8
15th	-0.9	-0.1	-4.6	0.7	9.9	-2.1	-5.3	-0.2	-0.7	2.7
16th	0.8	1.4	9.6	5.3	1.1	3.3	-1.8	3.6	12.5	-14.9
17th	-1.5	0.1	1.5	4.4	-2.5	-7.1	-1.1	1.6	-7.1	6.2
18th	1.7	-6.4	-1.5	0.6	4.2	8.5	-1.5	3.3	-4.8	-5.7
19th	2	-9.2	-4.7	-4.4	4.2	28.6	-1.6	-11	-2.5	5.9
20th	-3.4	8.1	7.6	-6.4	-24.3	-11.7	25.9	-12.1	-2.7	-14.4

D-400

RUN 29 PT 13

V/OR = 0.250 ALFS,U = 5.00 CLRH/S = 0.069732 CTH/S = 0.070069
VKTS = 99.5 MTIP = 0.606 CXRH/S = -0.006912 CP/S = 0.000289

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	139.8		-21.8		1185.5		-106		-13.7	
RMS	54.6		63.9		507.5		85.3		23.3	
1/2 P-P	163.2		132.2		1210.1		149.4		44.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	19.5	-12.4	32.4	-54.3	5.6	37.9	46.2	-85.4	-5.2	-20.6
2nd	-11.1	28.7	-14.1	38.5	-44.7	85.7	-40.9	52.2	-9.2	16.4
3rd	18.8	-28.1	10.8	-29.1	-47.5	41.2	9	19.4	0.6	4.5
4th	12.1	-1.2	8.6	-5.5	-36.1	101.5	1.8	0.8	2.4	0.9
5th	9.8	-8	8	-10.3	-44	59.7	-2.8	1.2	2.8	0.2
6th	8	-3.3	4.5	-4.3	23.3	-15.2	0.2	-3.6	1.1	-0.6
7th	8.9	-2.4	6.5	-2.9	68.4	27.3	-0.5	-2.7	-0.1	-0.5
8th	-11.1	33.9	-3.1	25.3	0.3	81.7	-3.3	3.8	-0.5	6.5
9th	-9.3	13	-3.5	8.9	-20.9	-41.5	-4.4	4.4	2.6	-1
10th	-0.1	10.4	2	5.8	6.4	34.8	-0.5	4.5	2	-3.1
11th	-24	13.8	-9.7	11	121.7	200	-7	7.3	6.2	-4.9
12th	-1.3	-12.3	-2.6	-6	-32.6	53.1	-1.8	-1.5	2	1.9
13th	2.9	-12.7	-0.9	-5	-37.1	-18.4	-0.6	0.9	1.5	-1.2
14th	1.7	-10.3	-1.8	-3.8	-26.9	42.3	0	2.4	0.6	-2.9
15th	3.9	-7.1	-1.3	-2.6	-50.6	49.5	-0.6	2.7	1.4	-2.6
16th	6.8	-0.3	1.4	-1.3	-92.3	-15.4	-2.9	1	3.4	-0.2
17th	3.7	3.6	0.6	0.4	91	-22	-1.6	-0.9	2.1	-0.3
18th	3.9	4.7	0.9	0.4	61.5	56	-1.7	-1	0.2	-1.4
19th	5.6	6.8	0.5	-0.1	4	37.9	-0.9	0.1	-2.7	-3
20th	-3.4	7.9	0.6	-0.2	-17.2	46.9	-0.2	1.1	1.4	-5.6

D-401

RUN 29   PT 13

| V/OR = 0.250 | ALFS,U = 5.00 | CLRH/S = 0.069732 | CTH/S = 0.070069 |
| VKTS = 99.5 | MTIP = 0.606 | CXRH/S = -0.006912 | CP/S = 0.000289 |

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-128.3		634.8		379.2		1443.9		-24.4	
RMS	359.6		350.7		421.9		345		106.9	
1/2 P-P	546.5		572.8		673.2		561.5		224.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-348.8	357.2	-356.7	304.9	-416	367.4	-354.8	268	51.3	126.5
2nd	64.2	-39.7	88.6	-69.2	123.1	-135.2	111.6	-132.8	-7.9	10.6
3rd	-18	50.3	-38.8	80.9	-42.8	94.7	-40.4	49.7	32.7	-42.5
4th	-2.3	5.7	-13	3.3	-0.9	2.4	1.8	-12.1	-6.3	13.6
5th	-19.7	11.7	-29.5	-7.8	-29.6	-23.9	-23.3	-49.9	-0.8	13.9
6th	0.3	3.9	-12.3	17.5	-11	24.9	-15.6	16.3	9.8	11.4
7th	-2.5	-7.9	-3.9	0.4	7.6	2.8	10.8	-0.1	-4.4	-4.4
8th	2.9	-3.2	4.2	-27.6	7.5	-17.1	-5.6	17.9	-1.6	11.6
9th	7.7	-1.2	7.1	-13.3	1.8	-4.3	-13.1	11.2	-0.3	1.2
10th	-3.3	-2	-4.3	-9	0.3	-0.8	3.5	11.6	1.5	-3.5
11th	2.6	-9.6	15.8	-27.9	-1.2	-3.8	-10.9	20.5	-6.3	1.9
12th	-0.3	8.6	6.5	17.6	-0.3	1.2	-2.1	-9.5	-0.6	7
13th	2.7	3.8	6.9	12.5	1.8	-4	-1.8	-4	7.3	-1
14th	1.6	0.1	2.1	4.5	-2.8	-8.5	-1	-0.2	7.7	-1.6
15th	1.5	1.2	-1.6	4.8	-2.8	-5.6	-0.9	1.4	6.4	-1.9
16th	-1	-0.7	-5.3	1.5	3.8	-1.1	-0.9	-0.6	-6.5	1.4
17th	-2.1	0.4	-3.3	-5	4.7	-1.5	-1.9	-3.7	2.2	-1.2
18th	-0.4	-3.1	-3.2	-0.9	7.8	7.3	-2.5	-1.2	-3.7	-0.8
19th	-3.1	-5.8	-1.8	-1.6	17.2	7.1	-3.9	-3.5	-0.4	3.3
20th	1.6	6.1	-4.7	-7.5	-6.9	2.3	-6.2	-19.5	-2.5	1.6

RUN 29   PT 14

V/OR = 0.250   ALFS,U = 5.00   CLRH/S = 0.079488   CTH/S = 0.079867
VKTS = 99.7   MTIP = 0.605   CXRH/S = -0.007827   CP/S = 0.000330

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	157.2		-10.3		639.7		-107.8		-10.1	
RMS	54.8		63.2		335.8		89.9		25.8	
1/2 P-P	145.4		133.3		923.6		163.8		56.8	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	21.4	-1.1	34.7	-52.3	93.3	-36.4	47.7	-88.3	-8.7	-21.7
2nd	-8	26.7	-13.8	37.2	-1.3	18.2	-48.2	49.9	-10.9	16.6
3rd	15.3	-28.8	9.6	-27.6	-37.3	-47.4	11.4	26.2	0.4	5.9
4th	11.1	-2.6	7.5	-6.5	-35.3	-22.6	4.4	1.2	3.6	1.3
5th	8.2	-4.5	4.9	-4.9	-36.5	7.6	-0.3	-6.1	4.5	-1.7
6th	4.7	-5.4	2.1	-5.3	-5.8	30.9	0.7	-4.3	0.6	-0.7
7th	4.9	0.2	4.1	-1.2	12.6	19.7	-1.4	-2.4	-0.7	-0.4
8th	-7.1	37.7	0.1	27.7	-1.7	38.1	-4	4.2	1.2	7.3
9th	-8	15.2	-1.4	10.8	-5.3	-12.2	-5.1	5.2	4.5	-0.7
10th	-0.9	15.2	2.5	8.1	-17.4	-5.3	-0.6	6.4	2.7	-4.1
11th	-24	20.4	-8.9	14.8	-22.4	-10.1	-6.5	10.2	6.2	-6.8
12th	-0.5	-13.4	-2.2	-6.6	-11.7	4.8	-1.7	-1.5	2.3	1.9
13th	4.6	-13.1	-0.7	-6.2	-4.5	14.3	-1.4	0.9	2.6	-1.6
14th	5.2	-11.7	-1.7	-4.5	-3.8	-6.9	-1.6	3.5	2.4	-3.8
15th	8	-5.5	0	-3	6.9	-5.7	-2.6	2.9	3.4	-2.6
16th	7.6	3.3	2.4	-0.6	-1.8	-6.4	-4.3	-0.3	4.6	0.9
17th	2.7	5.3	0.7	0.8	-15.5	-5.7	-2	-1.8	2.2	0.2
18th	2.2	5.5	0.9	0.3	-15.2	-0.8	-1.8	-1.4	0.6	-1.7
19th	3.5	5.9	0.4	-0.1	-13.1	-12.2	-1	-0.2	-1.8	-2.7
20th	-3.4	5.8	0.5	-0.2	16.7	3.2	-0.3	0.7	1.9	-4.2

D-403

RUN 29   PT 14

V/OR = 0.250   ALFS,U = 5.00   CLRH/S = 0.079488   CTH/S = 0.079867
VKTS = 99.7   MTIP = 0.605   CXRH/S = -0.007827   CP/S = 0.000330

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-120.5		627.7		367.9		1438.8		-42.1	
RMS	382.8		369.9		452.5		371.9		128.9	
1/2 P-P	557.2		638.3		762		635.5		231.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-262.1	461.2	-300.5	386.2	-384.6	445.2	-343	321.1	64.5	155.6
2nd	61.8	-48.3	91	-79.2	133.6	-144.9	126.5	-140.1	0.3	9.1
3rd	-51.3	-7.6	-74.8	35.2	-78	49.6	-68.1	12.5	31.5	-51.4
4th	20	13.6	19.3	16.7	36.8	20	38.4	4.6	-9.9	13.1
5th	-4.7	25	-4	70.7	0.8	103.8	3.9	96.4	8.3	3.1
6th	-5.6	4	-11.6	23.6	-7.6	34.1	-12.9	22.1	-0.2	12.8
7th	-10.8	2.3	-2.3	1.7	13.5	-1.8	15	-8.7	-3.6	-1.9
8th	1.7	-7.2	1.9	-31.2	8.3	-17.3	-1.5	21.8	2.8	12.2
9th	-17.9	-10.6	-8.2	-17.5	1	-6.5	4.1	12.3	-1.8	-4.1
10th	-4.9	-14	-7.2	-20.3	-0.4	-1.5	4.4	21.9	2	4.7
11th	28.7	-17.6	35.7	-45.1	8.5	-8	-23.4	30.1	-1.7	0.5
12th	0.2	1.4	4.5	9.1	-1.3	-5.6	-2.2	-6.9	2.2	4.6
13th	-7.9	3.9	-13.6	17.6	-11.7	-2.7	2.1	-5.6	5.2	-4.1
14th	2.6	-1.7	-2.9	6.9	-3.9	-9.2	-2.2	0.8	9.3	1.8
15th	0.8	0.5	-4.9	4.5	0.7	-6.1	-1.8	2.3	9.6	-5.7
16th	0	-0.4	-7.1	3.4	5.6	6.8	-0.7	0	-11.2	-1.4
17th	-0.5	-1	-0.7	-4.8	7	4.1	-0.6	-3.8	2.3	-0.1
18th	-2.2	-4.5	-0.5	2.3	10.1	15	-0.2	-0.3	-5.2	-0.4
19th	-3.4	-0.4	-1.6	-4.2	11	1.3	-3.3	-7.3	0.2	5.7
20th	-6.7	-4.2	1.2	-4.7	11.3	6.9	8.7	-11.3	-3.1	-1.2

D-404

RUN 29   PT 15

V/OR = 0.250   ALFS,U = 5.00   CLRH/S = 0.090101   CTH/S = 0.090516
VKTS = 99.7   MTIP = 0.607   CXRH/S = -0.008692   CP/S = 0.000459

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	176.5		2.2		548.4		-109		-13.7	
RMS	56		63.3		501.8		95.1		27.9	
1/2 P-P	151.6		128.1		1300		176.8		66.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	27.4	6.7	38.1	-51.4	115.8	-193.1	50.2	-91.9	-12.4	-23.3
2nd	-5.3	27.4	-13.9	36.7	-24.3	68.6	-55.6	47.2	-12.9	16.7
3rd	13.1	-25.1	9.3	-24.1	53.8	144.9	15.4	31.3	0	7.1
4th	9.9	-4.2	6.6	-7.3	98.4	-17.2	5.1	0.8	3.9	1.7
5th	9.6	-3	6.9	-1.9	68.1	-64.5	-3.8	-11.4	3.6	-2.2
6th	3.2	-5.5	1.1	-4.8	-81.4	17.4	1	-6.2	0.5	-0.4
7th	10.6	5.2	8.1	1.6	5.2	87.4	-2	-2.9	0.6	0.8
8th	-10.6	39.1	-1.8	29.5	79.2	100.6	-6.1	4	1.4	8
9th	-9.5	17.3	-1	11.2	-18	-8	-6.3	6	5.4	-1
10th	-0.5	18.1	3.1	9.4	-72.1	55.9	-0.9	7.2	3	-4
11th	-17.3	7.7	-6.5	7.5	-100.8	294	-5.7	5.6	5.5	-2.7
12th	5	-12.6	0.4	-7.6	63.9	53	-1.5	-2.4	2.1	2.7
13th	8.1	-12.7	0.8	-6.2	-12.3	3.4	-1.6	1.4	2.8	-1.9
14th	7.2	-13.2	-0.1	-5.3	-121.4	39.3	-1.1	4.2	2.3	-4.2
15th	8.8	-5.4	0.8	-3.6	11.9	80.9	-2.5	2.8	2.9	-1.7
16th	8.8	4.8	3.8	-0.5	69	53.5	-4.8	-0.9	5.1	2
17th	0.9	6.8	0.5	1.5	-12.2	-85.2	-1.1	-3	2.1	0.7
18th	1.9	5.7	0.4	0.6	-122.5	-21.6	-1.2	-1.9	0.1	-1.5
19th	5.6	5.5	0.2	0	-94.9	72.1	-0.8	-0.5	-2.7	-1.4
20th	-1.3	8.3	0	-0.4	-30.6	-21.6	0.2	1	0	-4.6

D-405

RUN 29   PT 15

V/OR = 0.250 ALFS,U = 5.00   CLRH/S = 0.090101   CTH/S = 0.090516
VKTS = 99.7   MTIP = 0.607   CXRH/S = -0.008692 CP/S = 0.000459

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-101.7		632.9		364.2		1447.5		-59.4	
RMS	405.2		392.5		485.8		403.2		144.7	
1/2 P-P	590.3		669.9		826.8		744.4		253.6	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-200.2	520.1	-264.1	437.8	-365.8	501.8	-340.4	362.6	77	176.8
2nd	74.4	-28.8	108.1	-70.6	158.5	-139.8	151.5	-137.3	5.5	14.2
3rd	-97.4	2.4	-120.9	47.6	-125.4	55.8	-106.8	16.5	34.3	-48.4
4th	25.7	4.5	33.8	10.7	56.5	14.5	58.9	-0.4	-7.4	4.7
5th	-6.6	12.6	18.1	72.8	40.4	114	52.2	113.7	7.4	-4.2
6th	-3.9	0.2	-12.7	29.2	-11.5	45.5	-20.3	36.1	3.2	10.6
7th	-0.8	3.3	-2.4	1	7.5	-1	8.1	-4.3	-2	-4.1
8th	3.3	-11.2	5.6	-34.2	11.1	-18.9	-3.4	25.5	-1.4	8.4
9th	-15	8.6	-3.2	-8.4	0.4	-7.4	-1.2	1	-6.1	-1.1
10th	-5.9	-6.2	-7	-17.2	1.4	-1.4	7.6	19.7	2.3	4.8
11th	12.6	-20.7	20	-34.7	3.7	-11.5	-12.9	22	-6.3	-3.2
12th	-12.5	-10.3	-18.3	-1.4	-10.3	-13.7	6.8	-3.6	1.4	7.2
13th	2.4	7.1	0.5	19.9	1.2	-1.9	-2.2	-5.6	8.7	-5.5
14th	2.7	-0.5	6.2	9.3	6	-9.9	-1.7	1.9	7.3	-5.2
15th	1	0.2	-4.3	8.7	1.9	-1.6	-0.2	2.2	3.4	1.2
16th	-1.1	-2.1	-4.5	-7.5	13	-4.7	2.7	-3.3	-11.5	-4.2
17th	1	-1.6	-1	-4.2	3.2	9.3	-0.3	-4.4	2.7	-0.4
18th	1.2	2.2	-0.4	-7.7	5.2	-0.7	-1.8	-7.4	-3.1	-0.6
19th	3.6	-5.6	-4.8	1.1	5.7	12.8	-8.9	1.4	2.2	5
20th	6.9	8.9	-6.1	-6	-13.5	3	-14.8	-17.9	-1.4	0.5

D-406

RUN 29   PT 16

V/OR = 0.250   ALFS,U = 5.00   CLRH/S = 0.099437   CTH/S = 0.099872
VKTS = 99.7   MTIP = 0.606   CXRH/S = -0.009327   CP/S = 0.000672

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	194.7		15		496.5		-109.6		-8.2	
RMS	61.1		65.9		189.8		100.6		30.1	
1/2 P-P	151.3		142.7		629.8		186.2		67.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	32.6	10.9	41.5	-51.7	10.5	-98.7	52.9	-96.2	-15.4	-25.4
2nd	-1.5	27.8	-13.5	36.8	29	39.9	-62.3	44.9	-14.4	16.4
3rd	11.5	-20.1	8.9	-20.2	-22.2	6.2	18.6	34.8	-0.1	7.7
4th	9.1	-3.7	6.2	-6.6	-15	6.8	4.5	0.9	4.3	1.6
5th	7.4	-3.2	7	-1.6	-9.9	0.5	-5.9	-12.1	3.1	-1.9
6th	1.4	-4.1	0.4	-3	-1.9	30.3	1.2	-7.5	0.5	-0.3
7th	15.9	7.9	12.2	3.7	-9.1	0.7	-2.3	-3	2.2	0.9
8th	-14.9	45.3	-3.1	34.4	0.4	18.8	-7.3	5.1	1.2	9.2
9th	-12.2	22.3	-2.2	14.1	-10.5	-12	-6.5	7.1	5.2	-0.5
10th	1.7	21.9	4.9	11.6	3.1	0	0	7.6	2.5	-3.8
11th	-24.9	7.9	-10.2	8.1	2.8	4.6	-8.5	5.1	7.4	-2.4
12th	7	-10.1	1.1	-6.8	-6.9	6	-2.2	-2.6	2.4	2.9
13th	9.4	-10.3	2.7	-6.2	14.3	7.1	-1.8	-0.1	2.7	-0.7
14th	6	-6.6	0.5	-4.9	-15.2	-2	-1.8	0.8	2.2	-0.6
15th	6.1	3.9	1.5	-0.9	-3.1	-5.3	-3.3	-1.7	2.9	2.9
16th	2.3	8.2	2.9	1.8	-9.8	-2.2	-2.7	-4.2	3.1	4.6
17th	-3.1	7.3	-0.6	2.4	-11.6	-8.9	0.9	-4.1	0.8	1.4
18th	0.5	5.4	0	1.3	-0.3	6.9	-0.2	-2.3	-0.4	-1
19th	4.9	5.3	0.6	-0.1	-0.6	-6.9	-0.6	-0.4	-2.5	-1.3
20th	-1.8	13.4	-0.1	-0.4	-2.2	10.3	0.4	1.5	-1.2	-6.3

D-407

RUN 29   PT 16

V/OR = 0.250	ALFS,U = 5.00	CLRH/S = 0.099437	CTH/S = 0.099872
VKTS = 99.7	MTIP = 0.606	CXRH/S = -0.009327	CP/S = 0.000672

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-90.2		624.7		350.7		1433.6		-76.5	
RMS	427.1		417.7		520.1		431.6		159.8	
1/2 P-P	625		734.3		875.3		782.1		262.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-157.1	559.7	-240.9	477.5	-357.1	550.5	-344.2	400.2	88.5	196.7
2nd	100.1	-34.5	132.7	-82.6	187.8	-154.1	178.5	-146.7	15.2	18.2
3rd	-110.8	32.5	-138.4	76.9	-149.4	81.1	-127.2	35.6	30.5	-47.2
4th	29.2	8.5	44.4	22.3	68.5	31.8	72	18	-5.9	3.1
5th	-18.8	5.2	14.5	60.1	41.5	96.6	57.5	94.8	4.1	-8.4
6th	-13.1	-1.6	-13.6	27.6	-6.4	42.4	-11.1	33.9	5.1	4.2
7th	-2.5	-6.7	-4.6	-1.3	9.6	4.1	18.7	7.3	1.2	-4.5
8th	4.2	-14.7	8.7	-40.5	13.6	-20.5	-4.9	30.6	-2.5	7.2
9th	5.5	9	10	-15.1	2.4	-7.9	-14.7	4.1	-5.9	0.1
10th	10.9	-6.9	1.9	-23.5	6.2	-3.1	1.1	19.3	-1.7	4
11th	5.8	-2.1	23.8	-19.8	2.7	-4.5	-16	10	-13.3	0.1
12th	-17.5	17	-17.4	28.1	-8	4.6	5.6	-17.6	4	7.6
13th	7.4	-0.1	3.9	3.6	6.7	-11.4	-3.9	-3.5	-0.8	-0.3
14th	3.5	0.7	3.7	-1.3	6	-10.4	-2.7	0	4.1	7.4
15th	-0.3	-1.9	-5.9	-2	3.8	3.1	-0.7	0.2	2.1	4.1
16th	-3	-3.5	-14.8	-12.2	-5.4	0.5	1.8	-4.3	-9.1	-10.4
17th	0.3	-0.9	3.1	-5.8	3.6	11	1.7	-4.9	5.8	2.5
18th	2.8	-2.8	-4.2	-3.3	-1.8	9.6	-4.6	-3.5	-0.7	-1.9
19th	-5.1	-7.8	0.4	2	19.9	10.4	0.4	1.7	0.4	1.1
20th	7.7	-15	-2.6	0.1	9.6	38.3	-3.8	-0.6	-1.7	2.9

D-408

RUN 29   PT 17

V/OR = 0.250   ALFS,U = 5.00   CLRH/S = 0.110284   CTH/S = 0.110759
VKTS = 99.7   MTIP = 0.606   CXRH/S = -0.010260   CP/S = 0.000973

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	216.3		28.7		783		-110.1		-34.4	
RMS	66.1		66.4		535.3		106.7		33.6	
1/2 P-P	169.1		137.1		1307.7		197.5		77.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	38.9	22	45.2	-49	118	-161.9	56	-101.5	-18.7	-29.2
2nd	2.6	27.7	-13.6	35.9	-28.6	186.3	-70.9	40	-16.5	15.7
3rd	11.9	-14.5	9	-15.4	-69.7	-44.9	20.8	38.8	0.3	7.7
4th	9.4	-6.2	5.9	-8.1	-82.3	47.9	3.9	2.7	5.6	1.5
5th	5.1	-3.6	5.5	-2	20.1	-83.9	-6.1	-12.6	3.3	-1.9
6th	2.2	-1.6	1.7	-0.9	-62.2	-23.9	0.5	-8.2	-0.3	-0.6
7th	20.5	12.8	16.3	6.9	39.5	173.3	-3.2	-2.7	3	1.5
8th	-23.4	49	-8.1	37.9	59.1	25.5	-9	5.8	-0.4	10.3
9th	-13.1	21.8	-2.4	14.7	-93.4	189.5	-6.7	6.3	-5.5	0.9
10th	0.4	17.5	4.4	9.7	36.4	-40.1	-0.2	5.2	2.6	-1.8
11th	-0.6	-11.5	-1	-5.8	-272.9	-25.6	-2.8	-4.4	1.7	4.1
12th	16.9	-3.9	6.9	-5.2	5.9	62.9	0	-3.1	-0.3	2.6
13th	14.6	-5.2	5.4	-5.6	19.2	-94.8	-2	-1.2	1.9	0.7
14th	10.9	-0.9	1.8	-3.9	42.4	-19.3	-4	-0.9	2.8	1.5
15th	8.4	10.6	3.3	1.1	22.2	-49.1	-4.9	-4.5	3.2	6
16th	0.8	10.4	3.4	3.2	-132.3	21	-2.3	-6.1	2.3	6
17th	-3.3	6.8	-0.5	2.5	8.8	76.7	1.1	-4.2	0.5	0.9
18th	1.7	4.9	0.6	0.4	-49.4	-194.9	-0.6	-1.8	-0.3	-2
19th	7.6	7.6	0.8	-1.1	-67.4	-12.8	-1	0.3	-4.6	-3
20th	-2.1	15.3	0.7	-1.1	74.7	-198.6	-0.1	2.5	-1.5	-8.4

RUN 29   PT 17

V/OR = 0.250   ALFS,U = 5.00   CLRH/S = 0.110284   CTH/S = 0.110759
VKTS = 99.7   MTIP = 0.606   CXRH/S = -0.010260   CP/S = 0.000973

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MPR3	
MEAN	-86.3		615.4		323.2		1433.3		-92.9	
RMS	440.3		434.9		551.4		459.8		178.5	
1/2 P-P	613.8		748.8		973.8		845.4		294.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-98.5	587.6	-206.6	507.8	-340.1	595.1	-343.3	435.7	95.8	222.8
2nd	117.3	-48.4	153.3	-101.9	219.6	-172.6	212.1	-159.8	28.8	20.1
3rd	-94.1	52.5	-134.3	94.7	-153.5	94.8	-132.8	43.7	31.8	-43.1
4th	40.4	19.9	66.8	44.9	93.8	63.7	96.2	47.8	-5.7	-4.9
5th	-33.7	3.5	-11.1	56.2	7.7	90.8	21.3	85.6	0.4	-6.1
6th	-18.7	4.7	-21.9	28.5	-16.5	38.7	-19.5	26.1	0.7	5.4
7th	-10.6	-9.4	-7.9	-1.7	12.5	5.9	29.4	11.8	2.3	-2.3
8th	3	-16.3	14.6	-44.6	17.4	-21.9	-10.5	31.5	-5.5	7.2
9th	3.9	-6	9.4	-23	5	-9.4	-11.4	10.9	-3.9	-1.5
10th	12.6	-19.4	4.5	-29	6.7	-6.9	-2	19.9	-4.6	2.8
11th	5.6	7.1	13.4	8.4	7.3	-4.9	-6.5	-12	-6.8	-0.5
12th	25.2	15.4	18.1	9.5	20.9	-3.4	-8	-11.8	4.8	7.3
13th	12	-2.4	3.3	-6	12.3	-14.7	-4.1	-2.8	-2.1	3.5
14th	5	-0.2	-9.1	-0.1	1.9	-3.3	-3.4	-0.8	9.1	11.3
15th	-0.7	-1.2	-11.6	-4.3	5.5	9.4	-1.1	0.5	0	1.8
16th	-3.3	-1.5	-10.6	3.1	-0.9	22.6	4.6	0.2	-8.7	-13.2
17th	2.3	0.9	0.5	-5.6	-1.7	10.6	1.6	-6.4	4.5	0.5
18th	-3.6	-3.7	0	2.9	11.1	13.6	0.8	-1.8	-3.1	-1.7
19th	-1	0.4	-6.4	-0.3	12	2.5	-9.8	-5.9	-0.7	3.6
20th	-9.2	-12	-1.1	-5.3	28.3	21.4	8.9	-16.2	-3.9	4.5

D-410

RUN 29   PT 18

V/OR = 0.251   ALFS,U = 5.00   CLRH/S = 0.119457   CTH/S = 0.119931
VKTS = 99.7   MTIP = 0.604   CXRH/S =-0.010657   CP/S = 0.001494

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	233.5		42.5		457.1		-109.6		-35.2	
RMS	76		70		461.3		112.4		36.9	
1/2 P-P	166.3		152.2		1321.6		209.5		86.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	49.7	26.5	51.3	-47.8	38.9	-54.3	58.8	-107	-18.9	-34
2nd	6.9	31.1	-13.7	37.7	7	244.1	-79.1	34.4	-16.4	14.9
3rd	7.9	-4.1	6.2	-8.1	1.9	-47.6	22.5	41.7	0.9	8.9
4th	7.6	-6.9	4.2	-8.4	-125.5	57.3	4.1	3.1	7.8	1.3
5th	-6.3	-6.2	-3.5	-4.5	102.6	-18	-0.7	-10.6	4.7	-2.6
6th	0.3	-2	1.3	-2.7	5.8	-35.6	0.8	-5.4	-0.8	-2.3
7th	20.9	21.2	18.1	11.2	92	167.9	-3.8	-1.7	3.2	4.5
8th	-38.5	44.8	-19.1	35.3	-20	42.6	-10.7	5.1	-3.1	11.4
9th	-17.8	23	-4	16	-105.2	166.4	-6.9	5.5	6.1	2.6
10th	-4.5	18.3	2.6	9.9	-11.2	16.6	-0.3	4.3	3.2	-1.2
11th	16.1	-17.2	6.9	-12.5	-177	-46.3	2.7	-9.8	-3	7.2
12th	24.9	9.6	13.2	-0.4	65.9	17	3.4	-3.1	-2.4	2.3
13th	17.6	1.3	8.7	-3.4	-10.7	-74.6	-0.1	-1.7	0.5	1.1
14th	12.5	-1	3	-2.9	-25.1	115.7	-2.9	-0.2	0.8	0
15th	7	6.1	2.9	1	28.3	5.4	-2.7	-2.5	-0.1	3.7
16th	0	6.4	3	2.6	-179.3	59.1	-0.9	-3.9	1.2	4.6
17th	-6.6	3.3	-1.8	1.6	-31.5	-20.4	3.2	-2.6	0.4	-0.2
18th	-0.9	6.5	0.5	0.2	-108.9	-169.8	-0.1	-2	0.7	-3.8
19th	5.6	9.9	1.2	-0.3	18.1	-11.7	-1.4	-0.3	-4.2	-4.4
20th	-10.1	11.6	0.9	-0.9	75.6	-128.9	-1.1	2.6	3.5	-8.9

D-411

RUN 29   PT 18

V/OR = 0.251
VKTS = 99.7

ALFS,U = 5.00
MTIP = 0.604

CLRH/S = 0.119457
CXRH/S = -0.010657

CTH/S = 0.119931
CP/S = 0.001494

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-78.8		600.8		275.4		1418.2		-112.5	
RMS	458.4		456.2		585.5		491.9		203.8	
1/2 P-P	684.2		786.2		1024		943.3		350.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-38.8	618.4	-169.9	539.9	-316.6	637.4	-336	467.2	115.2	251.3
2nd	125.3	-56.2	166.3	-120.8	245.8	-195.2	243.8	-178.9	40.1	38
3rd	-65.7	68.6	-117	101.1	-146.5	95.5	-131.4	39.9	16	-35.6
4th	50	38.4	90	70.3	119.3	98.1	120.8	78	-11.1	-5.3
5th	-35.6	20.7	-18.9	84.4	-10	129.4	-6.7	120.6	-16.3	0.7
6th	-19.8	24.6	-16.2	39.4	-12.4	45.3	-11.8	20.6	-6.6	16.4
7th	-19.3	-5.2	-6.8	2.1	18.6	16.6	43.7	24.3	6.1	13
8th	-5.1	1.6	25.7	-33.4	26.3	-18.5	-12.3	15.5	-13.8	11.8
9th	-3.7	-4	11.9	-21.9	8.2	-8	-7.2	6.7	-4.5	-1
10th	-10.9	-18	-5.3	-26.7	4.2	-3.7	9.6	20	-6	7.9
11th	-10.4	8.9	-10.4	21.8	4.6	-2.9	13.6	-22.2	-0.8	-2.3
12th	21.9	-26.9	-7	-42.5	16.6	-26.2	4.2	7.5	7.8	5.2
13th	15.1	0	2.6	-10.3	15.8	-14.2	-2.3	-2.5	-8	2.4
14th	5.3	-1.2	-5.1	5.6	6.4	1.1	-3.7	0	9.2	2.8
15th	0	-2.6	-7.8	-2	4.7	6.3	0.3	4.1	0.7	-1.6
16th	-1.6	-0.4	11.6	-0.9	20.5	11.1	12.9	1.1	-12.1	-16.9
17th	-0.3	-3.5	5.4	0.5	-2.6	15	6.1	-4	5	7.8
18th	-5.6	-0.8	0	-5.1	9.4	3.6	3.7	-9.4	-5.5	0.2
19th	1.7	-12.4	-6.8	3.5	15.4	24.1	-6	3.6	2.4	2.9
20th	-9.8	-10.1	1.2	-7.5	17.1	18.8	20.6	-18.3	-5.3	5.2

D-412

RUN 29   PT 19

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	233.1		42.1		364.4		-109.6		-43.6	
RMS	74.3		69.4		428.1		112.3		36	
1/2 P-P	169.6		149.1		1328.7		210.8		85.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	49.4	26.7	51.1	-47.8	71.6	-62.5	58.7	-107.1	-19.4	-32.4
2nd	6.5	31.6	-14.1	38	-2.5	219.8	-79.3	34.7	-17	15.4
3rd	7.9	-4.6	6.2	-8.5	-28.4	-12.6	23.4	40.5	1.6	8.5
4th	7	-7.6	3.5	-9	-95.5	43	5.1	2.7	8.1	1.3
5th	-6.4	-7.9	-4.1	-5.8	85.5	-61.7	-0.6	-10.1	4.4	-2.8
6th	0	-2.9	0.8	-3.3	0.1	-37	1	-5.1	-1.5	-2
7th	19.7	18.1	17	9.4	96.3	140.4	-3.9	-1.5	2.1	4.1
8th	-35.5	44.2	-16.8	34.5	-2.9	53.7	-10.6	5.5	-2.6	11
9th	-16.5	21.7	-3.2	15	-94.1	158.8	-6.9	5.7	6.4	2.4
10th	-4.4	17.4	2.8	9.6	-34.6	-0.7	-0.6	4.7	3.7	-1.5
11th	16	-21	6.5	-14.3	-188.2	-38.1	2.4	-10.5	-2.5	7.3
12th	25.4	7.8	13.5	-1.3	50.8	2.9	3.8	-2.8	-2.6	1.9
13th	18.1	-0.3	8.7	-4.3	-0.4	-65.6	0.2	-1.9	0.3	1
14th	12.9	-3.8	2.7	-3.9	11.6	89.8	-2.2	0.3	0.7	-0.5
15th	7.5	1.2	2.3	-0.3	8.1	11.8	-1.8	-1	-0.5	2.4
16th	3	3	3.2	1.2	-154.7	70.7	-1.1	-2.5	1.5	3.5
17th	-4.7	1.6	-1.5	1	-31.9	-13.2	2.9	-2.3	0.6	-0.1
18th	-0.1	4.3	0.3	0	-112.1	-150.5	0.1	-2	0.5	-2.8
19th	7	8.2	1.1	-0.5	12.9	-44.1	-1.3	-0.4	-4.3	-3.3
20th	-6	11	0.8	-1.1	62.3	-124.1	-0.8	2.1	1.4	-7.3

D-413

RUN 29   PT 19

V/OR = 0.251   ALFS,U = 5.00   CLRH/S = 0.119557   CTH/S = 0.120031
VKTS = 99.7   MTTIP = 0.604   CXRH/S = -0.010668   CP/S = 0.001491

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-80.3		600.2		272.6		1418		-111.8	
RMS	458.8		456.7		586.1		492.1		205	
1/2 P-P	663.7		785.8		1023.2		940.2		350.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-38.7	618.9	-169.3	540.7	-315.5	638.3	-334	468.6	114.6	253.2
2nd	125.2	-55.6	166.8	-121.2	248.1	-197.3	246.9	-180.8	39.5	39.4
3rd	-64.2	71.2	-114.6	103.4	-142.9	96.7	-127.5	40.1	14.7	-37
4th	50.8	38.9	90.1	69.9	119.6	96.1	119.8	74.3	-13	-5.6
5th	-33.7	22.8	-16.1	87.3	-6.1	132.2	-4.9	121.8	-17	0.5
6th	-18	25.9	-14.3	41	-10.2	45.9	-12	20.7	-6.1	16.5
7th	-18.7	-5.5	-4.9	4.6	20.9	18.7	43.3	25.7	4.1	10.8
8th	-3.9	1.4	24.6	-32.4	25.7	-18.2	-12	16.1	-14.1	10.9
9th	-4.8	-4.2	11.3	-21.3	8.6	-9	-5.8	6.7	-5.8	-1.2
10th	-9.9	-19	-4.1	-27.5	4.4	-4.8	8.6	21.6	-7.7	7.9
11th	-11.6	15.9	-8.7	30.2	5.2	-1.6	12.9	-27.3	-3.5	-3.7
12th	21.8	-23.2	-5.9	-37.3	17.4	-25.1	4.2	6	4.7	4
13th	12.6	-0.9	-1.1	-10	13.4	-15.7	-1	-2.8	-9.6	4.2
14th	4.3	-0.6	-6	8.6	5.2	0.3	-3.7	-0.2	10	2
15th	-0.2	-2.7	-8.6	1	1.6	2.6	0.2	5.4	2.1	-0.3
16th	-2	0.2	10.6	3.4	21.6	8.5	12.1	2.8	-12.8	-15.5
17th	-1	-3.3	4.1	2.4	-1.3	13.3	6	-2.7	3.3	6.4
18th	-5.5	-0.4	0.2	-3.5	8.7	1.3	3.4	-7.4	-3.8	0.6
19th	0.7	-11.9	-7.4	4.5	15.6	20.5	-6.6	4.9	-0.1	3.1
20th	-9.1	-8.5	-1.8	-5.9	17.9	14.9	14.5	-15.9	-3.7	4

D-414

RUN 31   PT 11

V/OR = 0.251 ALFS,U = 10.01 CLRH/S = 0.081659 CTH/S = 0.083113
VKTS = 99.9   MTIP = 0.605   CXRH/S = -0.015514 CP/S = -0.001353

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	153.2		-24.4		2355.6		-123.8		-63.7	
RMS	60		75.4		3.4		89.3		23.1	
1/2 P-P	178.9		139.8		0		162.9		50.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	20.2	-22.4	33.3	-70.6	0	0	48.6	-89.1	-5.4	-20.3
2nd	-9.5	28.5	-13.5	37.5	0	0	-38.1	59.4	-8.3	18.8
3rd	18.7	-42.2	7.3	-41.3	0	0	16.5	5.9	3.7	1.8
4th	19.2	-9.3	14.6	-14.1	0	0	0.1	-3.2	2.7	-0.1
5th	-21.9	-8.4	17.8	-13.4	0	0	-10.8	2.7	-0.7	-0.1
6th	13.6	1.1	9.7	-1.7	0	0	-1.5	-3.9	1.9	-2.2
7th	20.4	-2.2	14.4	-4.7	0	0	-0.7	-2.4	3.1	-2.3
8th	-2.1	27.1	2	19.2	0	0	-1.3	3.3	-1.4	4.2
9th	-3.9	10.7	0.6	6.6	0	0	-1.9	2.6	0.5	-0.5
10th	-0.7	7	1.2	3.9	0	0	-0.4	2.7	0.1	-1.7
11th	-14.6	13.4	-5.1	10.1	0	0	-3.9	6.3	2.2	-3.7
12th	-3.4	-6.4	-2.6	-3	0	0	-2.2	-0.7	1.3	0.6
13th	0.1	-6.4	-1.2	-3.2	0	0	-1.2	0.5	0.7	-0.9
14th	0.1	-6.2	-1.3	-2.4	0	0	0.1	2	-0.2	-1.6
15th	7.7	-5.1	0.7	-2.5	0	0	-2.5	3.7	2.7	-2.5
16th	9.6	-1.5	2.1	-2.4	0	0	-4.3	3	3.8	-1.3
17th	5	1.6	0.8	0	0	0	-2.1	0.7	1.3	0.3
18th	5.8	0.8	1.1	-0.4	0	0	-1.8	1	0.8	0.4
19th	8.1	1	0.1	-0.5	0	0	-0.4	1.2	-2.2	0.6
20th	3.4	5.4	0.6	-0.5	0	0	1	0.9	-0.9	-3.2

D-415

RUN 31   PT 11

V/OR = 0.251   ALFS,U = 10.01   CLRH/S = 0.081659   CTH/S = 0.083113
VKTS = 99.9   MTIP = 0.605   CXRH/S = -0.015514   CP/S = -0.001353

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-180		607.7		405.5		1430.7		-4.2	
RMS	403.8		413.2		505.8		412.1		126.7	
1/2 P-P	628.1		679.5		825.8		697.6		257.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-408.4	383.7	-429.8	349.9	-503	438.4	-430.9	306.7	69.1	142.4
2nd	71.3	-35.3	109.4	-80	157.5	-147.4	134.7	-145.9	2.6	7.8
3rd	-17.3	60.5	-47.2	94.1	-46.8	105.6	-45.1	52.5	33.2	-61.6
4th	-3.3	10.4	-9.1	5.9	-0.6	-0.3	7.7	-32.2	-7.4	16.5
5th	-23.4	15.8	-7.4	-32.9	13.9	-61.8	35.4	-106	4.7	24.5
6th	2.2	5.7	-11.3	13.1	-5.6	17.1	-5	7.7	22.7	10.1
7th	2.5	-0.5	-8.9	4.4	-2.2	0.9	10.5	-9	0.6	-5.2
8th	1	4.4	-1.4	-17.2	4.9	-14.6	0.1	8	-1.3	10
9th	-7.5	14	-2.9	0.7	-1	-4.8	-0.8	-5.9	-5.9	1.9
10th	0.2	-6.5	-2	-9.9	-0.3	-1.1	1.2	10.3	0.1	-3.8
11th	20.3	-17.9	22	-34.9	4.1	-8.4	-16.3	22.8	-1.7	-1
12th	-1.4	-4.6	0.1	-0.7	-5.6	-3.8	-1.3	-0.9	-3.1	4.5
13th	-8.5	-6.4	-17.6	0.2	-16.3	-5.4	4.4	-0.2	2.7	-1.3
14th	1	-0.6	-0.8	3.1	-5.3	-3.5	-0.1	-0.5	-2.4	5
15th	-0.1	-2	-2.6	-1.7	5.9	-11.8	-1.4	1.3	13.1	0.9
16th	-3.8	1	-4.5	3.6	9.9	-5.2	-1.4	0	-6.7	6.6
17th	0.6	-1.8	-2.9	0.7	5.7	2	-2.1	0.3	5.5	-3.7
18th	-4.1	-1.3	-0.8	-0.5	13	-4.7	0.6	-0.8	-4.5	-0.3
19th	-1.8	9.4	-7	-3.1	0.6	-17	-11.3	-6.6	0.2	1.9
20th	3.2	-5.5	-3.8	2	7.4	14.3	-6.7	1.7	-3.5	4.2

D-416

RUN 31   PT 12

V/OR = 0.251   ALFS,U = 10.01   CLRH/S = 0.088683   CTH/S = 0.090232
VKTS = 99.9   MTIP = 0.605   CXRH/S = -0.016676   CP/S = -0.001406

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	164.1		-17.1		2355.6		-125		-63	
RMS	60		74.8		3.7		92.2		24.5	
1/2 P-P	170.5		142.7		15.8		167.7		51.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	20	-14.4	34	-68.7	0	-0.1	49	-93.1	-8.6	-20.9
2nd	-7.5	28	-13.2	36.7	0.1	0.1	-43.7	58.3	-9.8	19.2
3rd	18.8	-44.7	7.6	-42.2	-0.1	0.1	16.9	6	3.5	2
4th	21	-10.2	15.7	-15.3	0	-0.1	-0.6	-3.4	2.4	-0.2
5th	19.5	-6.2	14.2	-11.2	0.1	0	-7	0.6	1.3	-0.5
6th	12.7	-0.5	9.6	-2.1	-0.1	0.1	-1.9	-4.8	1.5	-2.5
7th	19	-4.5	13.5	-6	-0.1	-0.1	-0.8	-2.4	2	-2.8
8th	-3.4	31.1	1.9	22.5	0.1	0	-1.4	3.3	-1.8	5.6
9th	-5.7	13	-0.3	8.6	0	0.1	-1.7	3.2	0.7	0.2
10th	-2	7	0.7	4.3	-0.1	-0.1	-0.5	2.4	0.5	-1.7
11th	-15.6	13.6	-5	10.1	0.1	-0.1	-4	6.4	3.3	-4
12th	-4.3	-6.4	-3	-2.5	0	0.1	-2.8	-0.9	1.6	0.6
13th	-0.6	-7.6	-0.8	-2.5	-0.1	0	-0.7	1.1	0.4	-1.1
14th	-1.2	-4.4	-1.2	-2	0	-0.1	0.1	0.4	-0.3	-0.5
15th	8.8	-2.7	1.4	-1.7	0.1	0.1	-3.9	2.9	3.4	-1.5
16th	8.1	-1.5	1.8	-1.8	-0.1	0.1	-3.6	2.8	3.5	-1.3
17th	4.1	0.9	0.3	0	0	-0.1	-1.1	0.7	0.9	-0.3
18th	5.2	0.7	0.5	-0.5	0.1	0	-0.7	1.1	-0.1	-0.5
19th	7.5	1.5	0.1	-0.6	-0.1	0.1	-0.3	1.3	-2.6	-0.3
20th	1	5.3	0.3	-0.6	-0.1	-0.1	1	1.1	-0.3	-4.8

D-417

RUN 31   PT 12

V/OR = 0.251   ALFS,U = 10.01   CLRH/S = 0.088683   CTH/S = 0.090232
VKTS = 99.9   MTIP = 0.605   CXRH/S = -0.016676   CP/S = -0.001406

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-194.1		588		387.1		1425.2		-20	
RMS	423.6		433		532.3		430.2		140.8	
1/2 P-P	619.6		684.1		817.6		661.1		270.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-391.3	437.9	-421.2	396.9	-502	489.2	-437.7	345	74.9	160.6
2nd	78.1	-53.4	117.6	-99.7	174.4	-166.9	152.7	-157.9	10.4	3.5
3rd	-36.3	24.7	-70.2	67.9	-69.5	77.9	-61.6	30.2	37.6	-68.2
4th	5.9	27.6	8.5	28.2	20.1	26.4	26.3	-8.6	-9	13.9
5th	-29.6	34.5	-50.1	18.1	-54.8	9.7	-49	-25.7	11.4	26.1
6th	-9.3	1.7	-14.6	18.4	-1.6	22.9	2.9	17.1	12.5	7.3
7th	-14	1.5	-11.6	6.7	5.6	-0.8	23.7	-13.8	-1.4	-0.5
8th	3.1	2	-1.3	-20.5	4.4	-15.3	-2.1	14.8	2.4	12.9
9th	8.8	-2	4.8	-11.8	0.5	-6.3	-8.7	7.2	-0.7	-2.9
10th	-6	-7.2	-6.5	-9.8	-1.7	-1.8	4.9	9.2	-5.1	-4.7
11th	4.4	5	12.5	-12.8	-0.7	0.9	-9.1	11.9	-2.7	-1
12th	1.6	12.4	8	16.5	-1.5	5.8	-4.6	-6.8	-0.8	4.4
13th	2.7	3.1	7.6	10.4	2	0.9	-1.5	-1.8	0.6	-8.4
14th	0.8	-1.4	3.5	-0.7	-1.5	-3.5	-0.6	-0.9	-6.2	11
15th	-0.1	-2	-10.7	5.3	-0.2	-1.4	-2.3	1.8	14.6	-2.1
16th	-2.5	-1.7	-2	4.5	10.2	-1.2	-0.3	0.4	-5.9	5.1
17th	-1.8	0.9	-1.3	-2.3	6.2	-3.6	-1.1	-1.9	7.4	-3
18th	-1.9	-1.5	-1.2	2.5	9.5	0.6	-1.2	0.4	-6.6	0.5
19th	-3.8	-0.1	-2.3	1.1	12.5	-4.5	-5.3	-0.9	2.3	1
20th	-1.7	3.4	-3.9	-2.4	2.7	-0.2	-6.4	-11.9	-7.7	1.2

D-418

RUN 31   PT 13

V/OR = 0.250   ALFS,U = 10.01   CLRH/S = 0.098419   CTH/S = 0.100090
VKTS = 100.0   MTIP = 0.607   CXRH/S = -0.018231   CP/S = -0.001434

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	178.9		-6.8		2172.9		-126.5		-63.8	
RMS	63.9		76.1		306.9		97.4		28.1	
1/2 P-P	191.5		155.8		675.1		181.6		57.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	22	-6.9	35.6	-68.4	39.1	24.8	49.5	-98.3	-13.6	-22.6
2nd	-3.9	26.3	-13.2	35.4	54.7	56.8	-52.8	55.6	-12.9	19.7
3rd	18.1	-46.9	7.9	-42.5	-84.2	33.7	19.8	6.7	3.2	3.1
4th	21.6	-13.5	15.7	-18	-55.3	15.2	-0.3	-3.6	3.2	0
5th	20.9	1.9	14.8	-1.8	30.2	46.1	-9.8	-9.1	1.7	-3.7
6th	12.1	-1.2	9.8	-2.9	-28.3	-40.7	-2	-5.3	1.5	-2.8
7th	22.5	-3.9	15.4	-6.6	-9.2	44.3	-1.3	-2.4	2.3	-3.3
8th	1.6	36.7	6.2	26	-38.2	51.8	-1.1	3.9	0.3	6.7
9th	-4.1	15	1.6	9.5	-44.6	-10	-2.8	3.4	2.2	-0.1
10th	-0.1	10.9	2.7	5.4	-9.7	-8.3	-0.8	3.8	0.9	-2.8
11th	-15.8	18.4	-4.3	12.8	-23.4	156.3	-4.4	8.3	3.4	-5.4
12th	-2.9	-7.3	-2.3	-3.4	48.3	4.1	-2.9	-0.4	2.2	0.8
13th	1.3	-9.9	-0.5	-4.6	-1.7	-6.4	-1.4	1	1.3	-0.8
14th	2.3	-8.5	-1.4	-3.2	0.7	16.6	-1.8	2.6	1.8	-1.9
15th	10.9	-11	0.9	-4.7	31.1	37.9	-4	6.7	4.4	-4.9
16th	11.6	-0.8	2.8	-2.5	3.7	-24.6	-6.1	3.6	5.4	-1.7
17th	5.1	2.1	1.1	0.3	10.3	18.1	-2.5	0.7	1.9	0
18th	5.1	1.4	0.9	-0.4	9.4	29.3	-1.9	1.5	0.8	-0.7
19th	5.8	1.4	-0.2	-0.3	34.7	-15.1	0	1.3	-1.8	-0.5
20th	1.8	3.9	0.3	0	0.7	-21.3	0.5	1.3	-0.1	-2.9

D-419

RUN 31 PT 13

V/OR = 0.250
VKTS = 100.0

ALFS,U = 10.01
MTIP = 0.607

CLRH/S = 0.098419
CXRH/S = -0.018231

CTH/S = 0.100090
CP/S = -0.001434

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-186.2		579.7		372		1419.9		-42.9	
RMS	449.7		465.8		581		474.1		161.8	
1/2 P-P	668.4		786.7		974.2		818.1		304.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-334.1	517.6	-384.1	470.9	-480.7	571.1	-434.6	406.8	89.6	187.2
2nd	85.3	-51	130.7	-109.1	200.3	-182.7	183	-169.3	16.9	2.2
3rd	-98.2	6.6	-132.5	64.4	-135.2	71.5	-111.7	21.1	38.4	-74.2
4th	42.4	13	62.4	6.7	85.6	5.8	86.5	-32.1	-12.5	11.9
5th	-11.2	40.3	-5.7	70.9	11.4	98.3	19.2	83.6	20.2	20.5
6th	-9.5	13	-16.3	28.3	-8.4	28.1	-6.3	15.4	6.9	13.6
7th	-17.9	17.1	-11.6	12.7	8.8	-2.9	29.4	-25	4.8	0.2
8th	1.4	4.4	-3.8	-20.8	6.4	-17.7	2.8	14	4.4	9.4
9th	-16.1	-1.2	-9.4	-10.2	-1.6	-7.4	2.7	4.7	-2.9	-2.7
10th	-22.2	1	-18.3	-4.5	-3.5	1.4	14.8	10.3	-1.2	0.3
11th	12.9	-11	15.9	-31.7	2.4	-4.8	-10.7	22.9	-3.5	-7.1
12th	-9.5	-19.2	-14.7	-12.6	-13.4	-12.1	4.5	3.9	-2	3.3
13th	-3.7	-5.1	-9.2	1.5	-10.4	-8.4	2.7	0.1	-3.1	-5.4
14th	1.3	-2.7	-0.1	5.1	-1.6	-4.1	-0.9	0.7	3.4	9
15th	-0.1	-2.3	-0.8	6.6	9.1	-13.8	0.3	3.7	11.9	-5.7
16th	-2.6	-0.6	-4.5	9.3	14	2.4	0.1	0.8	-9.3	8
17th	0.2	-2.9	-3.7	0.8	7.5	3.7	-0.9	-0.2	2.8	-3.2
18th	-3.7	0.4	-0.9	1.3	11.1	-0.9	0.8	-1.5	-5	0.7
19th	1.9	6.4	-6.5	-0.3	-1.9	-6.5	-10.8	-4.6	-1	3.9
20th	-4	-2.1	-2.8	0.8	9.2	5.6	-1.9	-4.3	-2.2	0.4

D-420

RUN 31   PT 14

V/OR = 0.251	ALFS,U = 10.01	CLRH/S = 0.108491	CTH/S = 0.110280
VKTS = 99.9	MTIP = 0.605	CXRH/S = -0.019794	CP/S = -0.001331

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	195.7		4.3		2310		-127		-61.5	
RMS	65.8		77.5		137.8		104		30.1	
1/2 P-P	203.1		161.4		461.1		200.7		66.6	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	28.9	3.4	39.1	-67.2	29.1	-24	50.9	-104.7	-15.7	-23.9
2nd	-0.9	27.2	-13.5	35.7	6.3	22.9	-62.5	53.5	-14.3	20.7
3rd	15.5	-45.9	7.5	-41.9	-35.4	-2	22.6	6.4	4.4	3
4th	19.6	-14.7	13.7	-19.4	21.5	-14.7	-2.5	-4.1	4	-0.4
5th	23.5	2	19.8	-0.5	-13.7	0.2	-16.3	-9.9	-1.3	-4.6
6th	9.6	-3.3	8.1	-4.6	-3.6	24	-1.8	-5.8	0.4	-3
7th	27.1	-9.5	17.8	-11	21.3	-4.5	-1.2	-2.1	3.3	-4.1
8th	6.5	35.9	10.9	25.3	-4.1	19.8	-1.2	3.8	1.9	6.5
9th	-1	14.1	3.1	7.4	-15.9	-1.5	-2.8	3.5	2.4	-0.6
10th	6.7	9.5	5.3	3.8	-22.8	-17	0.9	3.5	-0.6	-2
11th	-11.6	14.7	-2.8	10.1	-16.9	51.2	-3.6	6.9	2.8	-3.7
12th	-0.6	-10.3	-2.7	-5.7	-12.1	-24.1	-3.7	-1.1	3	1.2
13th	2.2	-11.7	-1.3	-5.8	18.3	-9.4	-2.2	0.8	1.7	-1
14th	0.4	-11	-1.7	-4.4	-.9	12.9	-0.5	3.1	0.9	-2.5
15th	9.8	-10.4	-0.2	-4.8	-8.5	-13.2	-3.2	6.3	3.8	-4.5
16th	14.1	-0.9	3.7	-2.7	-0.2	0.5	-6.9	3.4	6.5	-1.5
17th	6	1.8	1.5	-0.1	11.6	-0.9	-3	0.5	2.9	-0.3
18th	5.3	0.4	0.5	-0.3	-2.3	-1.8	-1.4	1.2	0.8	-0.6
19th	6.5	-3	0.3	-0.2	6.9	-2.4	-0.3	1.3	0	1.8
20th	2.1	1.7	-0.1	-0.5	-3	15.3	0.7	0.9	0.6	-2.3

RUN 31 PT 14

V/OR = 0.251 ALFS,U = 10.01 CLRH/S = 0.108491 CTH/S = 0.110280
VKTS = 99.9 MTIP = 0.605 CXRH/S = -0.019794 CP/S = -0.001331

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
MEAN	-169.2		571.4		360.2		1406		-61.1	
RMS	474.6		495.9		628.1		518.6		185.2	
1/2 P-P	737		901.8		1093.9		944.7		330.1	
HARMONIC										
1st	-238.8	593.2	-317.5	541.9	-434.4	654.9	-414.1	473.4	106.9	218.6
2nd	109.4	-33.3	156.7	-110.4	234.4	-196.5	221.7	-182.9	27.4	4.9
3rd	-143.4	65.5	-172.5	127.5	-181.4	130.8	-149	61	35.2	-78.6
4th	31	-4.9	55.6	-19.8	85.1	-24.7	81.9	-64.2	-4.2	15.6
5th	-5.2	29.7	45.8	47	100.6	62	124.6	47.6	16	9.7
6th	-15.7	12.1	-5.1	36.9	12.5	43.5	17.2	29.2	14.8	7.8
7th	-10.4	20.1	-10.7	18.2	7.1	2	25.5	-29.7	-0.3	-1.6
8th	0.6	-1.9	-5.9	-24.4	6.4	-22.5	7.8	11.3	1.4	6.6
9th	-9.1	8.4	-5.7	-5.5	-0.1	-6	-0.8	-0.3	-5.8	1.9
10th	5.6	14.3	-1.6	2.4	5.3	0.3	3.9	-0.8	2.7	2.6
11th	12	-5.8	14.2	-25.4	3.5	-5.4	-11.7	16.1	-4.7	1.1
12th	-28.2	16.9	-25.1	33.2	-18.7	10.7	6	-15	3.6	7.6
13th	-7	-2.7	-13.2	9.5	-13	-4.1	1.4	-2.9	-3.1	0.2
14th	2.9	-3	4.7	0	-0.5	-11.1	-1.7	1.5	0	3.7
15th	-1.2	-1.8	-11.3	4.2	-3.6	-14.8	-1.4	3	10.3	1.7
16th	-4	-1.5	-13.9	3.5	9.1	-6.1	-2	0	-8.7	4.5
17th	-4.9	1	-2	-4.3	13.6	-7.3	1.1	-2.6	3.4	-1.9
18th	-1.8	-0.3	-2	0.9	8.4	-1.8	-0.8	-0.7	-5	2.3
19th	-10.7	-2.8	3	2.2	21.5	-9.2	6.3	1.5	2.4	-1.5
20th	3	-4.1	-2.7	4.3	1.5	12	-6	2.7	-2.9	2

D-422

RUN 31   PT 15

V/OR = 0.251   ALFS,U = 10.01   CLRH/S = 0.118523   CTH/S = 0.120413
VKTS = 100.0   MTIP = 0.606   CXRH/S = -0.021250   CP/S = -0.001092

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	213.6		16.5		2332		-127.5		-56	
RMS	69.1		79.1		111.8		111.7		32.2	
1/2 P-P	212.9		169.8		488.2		214.6		66.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	36.3	9.1	43.3	-66.9	-4.6	-7	52.4	-113.8	-19.7	-26.2
2nd	3.8	26.4	-13.8	35.1	-3.2	-25.1	-74	50.4	-15.5	19.3
3rd	14.1	-43.7	6.9	-40.9	15.8	0.8	21.9	5.6	3.9	2.4
4th	21.8	-16.4	14.3	-21.4	-5.8	5.4	-5	-2.4	3.6	-0.7
5th	22.8	1	20.3	-1.8	-2.5	20.6	-17.3	-7.1	-1.8	-4.4
6th	11.2	-2.8	9.8	-5.6	-11.4	-13.5	-1.1	-5.1	-0.6	-2.9
7th	33.7	-13	22.1	-14.2	-7.3	-1	-0.8	-2.9	4	-4.9
8th	5.6	36.8	11.4	25	4.4	-6.1	-2.1	3.4	1.9	7.1
9th	0.5	14.5	3.5	7.2	6.3	16.9	-2.7	3	2.2	0.5
10th	5.6	5.3	4.2	1.8	3.8	-1.6	-0.3	1.8	0.6	-0.3
11th	-7	-3.3	-3.5	-0.1	-17	14.3	-4.6	0.3	2.9	1.4
12th	-5.5	-11.6	-0.5	-6.9	5.1	4.5	-4	-1.3	2.7	1.6
13th	6.5	-11.9	0.8	-6.1	-6.3	4.5	-2.3	1.6	1.6	-1.3
14th	6.2	-9.2	-1	-4.7	1.4	2.6	-2.5	3.8	2.4	-2.2
15th	17.9	-8.8	2.1	-5	-16.8	4.5	-6.3	7.2	6	-4.2
16th	17.1	1.1	5.4	-2.9	1.9	5.5	-8.2	3.6	6.7	-1
17th	6.2	4.1	1.3	0.7	-1.4	-10.2	-2.8	-0.6	1.7	1.3
18th	6	1.8	1	0.2	5	4.3	-1.2	0.3	0.3	0.4
19th	6.7	2.2	0.2	-0.6	5.2	6.3	0	1	-1.2	0.1
20th	3.7	8.6	0.3	-0.1	4.4	15.3	1.1	0.8	-1.5	-4.5

RUN 31   PT 15

V/OR = 0.251   ALFS,U = 10.01   CLRH/S = 0.118523   CTH/S = 0.120413
VKTS = 100.0   MTIP = 0.606   CXRH/S = -0.021250   CP/S = -0.001092

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-166.2		554.1		301.8		1397.1		-82.2	
RMS	493.4		523.7		674.2		563.4		211.7	
1/2 P-P	746.9		951.8		1200.4		1031.3		365.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-169.3	635.7	-269.5	591.4	-399.5	722.4	-399.2	533.9	125.8	252.1
2nd	135.9	-54	183.6	-142.1	273.8	-237.6	266.7	-215.7	45.5	3.5
3rd	-131.3	99.4	-166.1	164.2	-187.1	166.8	-156.6	83.3	26.4	-78.3
4th	54.7	2.9	89.5	-18	126.8	-20.2	117.9	-59.8	3.9	16.7
5th	-7.3	31.2	48.7	31.6	107.2	31.5	136.7	13.3	15.1	10.4
6th	-18.2	26.2	-8.2	41.4	4.3	41.5	12.6	14.6	13.3	6.8
7th	-13.7	26.6	-12.6	25.3	9.2	6.7	33.4	-35.4	3.6	-0.1
8th	-7	-2.3	-8.1	-24.1	7.2	-20.7	10.6	11.3	-1.8	6.9
9th	-7.6	10.4	-4.9	-5	2.2	-5.9	0	-1.2	-2.7	2.8
10th	-2.1	-13.4	-8.8	-13.2	3.3	-5.5	7.9	8.6	2.3	2.3
11th	6.4	-3.2	10.8	-8	1.6	-6.8	-11.3	1.9	-3	2.7
12th	3.7	10.2	1.2	19.1	1.4	1.4	-6.1	-10.7	7.4	7.5
13th	9	1.4	9.3	9.1	7.3	-5.5	-6.5	-2.6	0.7	4.9
14th	3.4	-2.5	-4.2	2.8	-1.5	-9.3	-3.8	1.6	9.1	7.2
15th	-0.2	0.4	-10.6	15.4	10.1	-5.1	-4.1	5	11.5	1.3
16th	-5.7	-0.2	-17.7	13	11.9	4.5	-2.9	2.6	-13.7	2.5
17th	1.2	0.5	-9.2	-5.6	2.2	-3.5	-3.1	-2.8	3.6	-3.3
18th	-3.7	-0.8	-2.1	-0.5	13.2	-2.6	-0.3	-1.4	-4.3	1.2
19th	-2.6	7.4	-7	-0.7	3	-10.6	-9	-7	-0.6	0.5
20th	2.4	-3.2	-7	1.2	6.6	15.7	-12.2	-4.3	-2.5	3.1

RUN 31   PT 16

V/OR = 0.252	ALFS,U = 10.01	CLRH/S = 0.081464	CTH/S = 0.082877
VKTS = 100.1	MTIP = 0.604	CXRH/S = -0.015263	CP/S = -0.001326

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	146.8		-27.3		2355.6		-123.9		-66.6	
RMS	60.6		75.9		3.4		90.8		23.1	
1/2 P-P	164.7		138.5		0		166.9		51.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	24.9	-22.7	35.3	-70.7	0	0	49.4	-90.9	-5.9	-20.3
2nd	-9.8	29.3	-13.4	37.7	0	0	-39.4	59.9	-8.8	18.9
3rd	19.2	-42.9	7.8	-41.7	0	0	16.6	5.6	3.2	1.7
4th	19.6	-10.3	15	-14.7	0	0	-0.1	-3.5	2.7	-0.3
5th	22.2	-7.6	18.2	-12.6	0	0	-11.2	1.8	-0.8	-0.3
6th	13.5	1.1	9.7	-1.9	0	0	-1.4	-4.6	1.9	-2
7th	17.6	-3.6	12.3	-5.5	0	0	-1	-2.5	2.3	-2.1
8th	0.7	27.9	4.4	19.4	0	0	-1.2	3.2	-0.4	4.8
9th	-5.1	11.6	0.1	6.9	0	0	-2.5	2.6	0.9	-0.2
10th	-2.1	6.7	0.2	4.1	0	0	-0.6	2.8	1	-1.4
11th	-14.7	10.1	-5.8	8.3	0	0	-4.7	5.2	3	-2.4
12th	-2.8	-6.2	-2.4	-3	0	0	-2.4	-1.2	1.7	1
13th	0.6	-6.1	-1	-2.9	0	0	-1.5	0.3	1.4	-0.5
14th	-0.3	-3.6	-1.1	-1.5	0	0	0.2	1.3	0.5	-0.4
15th	4.6	-2.6	0.5	-1.3	0	0	-2.2	2	2	-0.9
16th	4.1	-2.5	0.3	-1.4	0	0	-1.9	1.8	2.1	-0.6
17th	3.2	1	0.1	0.3	0	0	-1.2	0.1	0.7	0.1
18th	4.3	0.8	0.7	-0.4	0	0	-0.8	1.2	0.7	-0.6
19th	5.7	1.1	0.1	-0.3	0	0	0.4	1	-1.8	-0.7
20th	1.4	5.2	0.5	-0.2	0	0	1.1	1.1	-0.4	-4

D-425

RUN 31   PT 16

V/OR = 0.252   ALFS,U = 10.01   CLRH/S = 0.081464   CTH/S = 0.082877
VKTS = 100.1   MTIP = 0.604   CXRH/S = -0.015263   CP/S = -0.001326

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-160.1		615.8		380.2		1438.1		-2.5	
RMS	399.7		411.3		502.3		409.4		124.6	
1/2 P-P	637.1		697.3		818.4		693.1		251.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-412	373.4	-434.5	342.4	-504.2	432.4	-430.6	302.9	65.9	141.7
2nd	63.4	-29	103.2	-75.1	153.4	-142.8	131.8	-142.4	-0.2	9
3rd	-21.7	55.8	-52.1	91.5	-51.9	104.2	-48.4	51.5	34.6	-59.2
4th	5.9	5	1.1	-1.4	11	-9.3	19.4	-39.7	-7	15.6
5th	-20.8	15.3	-6.8	-30.6	14.5	-57.5	34.8	-99.2	5.9	26.6
6th	2.6	11.7	-13.3	12.3	-9.3	8.9	-9.4	-4.1	20.5	11
7th	2.7	-2	-6.6	5.4	0.1	3.1	10.3	-5.2	-0.1	-5.2
8th	-3.5	3.4	-5.5	-17.3	3.4	-15	5.3	9.1	-1.7	8.9
9th	-5.5	12.7	-1.4	-0.8	-1.6	-4.5	-3.2	-4.3	-5.3	3
10th	-0.9	-8.1	-2	-11.4	-0.2	-1	1.6	10.5	-0.3	-2.7
11th	21.9	-20.8	23.2	-35.4	4.3	-9.2	-16.7	23.3	0	-1
12th	-3.4	0.3	-1.7	5.4	-6.1	0.7	-0.5	-3.6	-2.4	2.2
13th	-10	-4	-18.6	4.3	-16.2	-1.4	5.2	-1.7	2.2	-0.1
14th	0.9	-1	0.7	-0.9	-2.8	-2.9	-0.2	-0.8	-0.1	3.3
15th	-0.5	-2.6	-1.5	-3.7	3.8	-7.1	-0.4	-0.2	5.5	-0.3
16th	-1.7	-0.4	-1.1	3	4.2	-1.2	-0.5	-0.3	-2.2	4.7
17th	1.2	-1.1	-2.3	0.8	2.7	3.4	-2.2	0.3	3.6	-3.6
18th	-2.5	-0.4	-3.1	0.4	6.3	-1	-1.6	-1.2	-4.2	1.4
19th	-1	7	-5.9	-1.9	-0.8	-10.9	-9.8	-5.6	0.3	1.7
20th	5.1	-5.5	-4.4	2	2.1	17	-8	2.2	-4.8	2.2

D-426

RUN 36   PT 6

V/OR = 0.228   ALFS,U = -10.00   CLRH/S = 0.064532   CTH/S = 0.065467
VKTS = 91.7   MTIP = 0.606   CXRH/S = 0.011028   CP/S = 0.004599

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	169.1		22.9		52.7		-42.7		5	
RMS	48.6		29.6		43.1		72.8		22.2	
1/2 P-P	102.2		70.6		74.6		126.1		43.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	45.7	41	32.4	-12.5	33.5	-44.5	27.2	-71.2	-13	-21.5
2nd	14.7	13.3	3.8	15.3	-1.5	19.2	-48.1	12.3	-12.7	7
3rd	-2.4	11.5	3.6	8.1	6.2	10.4	2.7	46.2	-4.6	8.2
4th	2.9	-1.5	3.5	-2.7	3.1	-3.5	-5.6	9.7	3.5	3.6
5th	1.7	7.3	5.8	3.7	5.3	2.3	-4.9	-3	0.1	0.3
6th	-8.1	9.8	-3.6	7.4	-1.7	2.9	1.6	-1.8	-2.4	-1.1
7th	3	2	2.5	1.7	1.1	0.3	-0.4	-1.7	-0.6	-0.5
8th	-7.2	4	-4.1	3.5	-1.8	0.7	-2	0.2	0.8	0.4
9th	-0.6	0.9	-0.1	1.3	0	0.6	-0.7	-0.4	1.7	1.1
10th	1.3	1.4	1.6	0.3	0.7	-0.3	0.8	-0.5	-0.5	0.1
11th	-5.1	7.6	-1.1	4.7	0.5	-0.8	-0.2	2.2	-0.6	-1.9
12th	2.4	2.1	1.4	0.4	-0.6	-1	0.4	0	-0.3	0
13th	0.7	2.5	0.4	0.6	-0.2	-0.4	0	-0.3	0.4	0.5
14th	-0.8	1.9	-0.3	0.6	-0.5	0.2	0.3	-0.2	-0.4	0.2
15th	-1.6	0.3	-0.9	0.3	-0.5	-0.2	1	0.2	-1.6	0
16th	1.5	1	0.5	-0.3	-0.5	-0.2	-0.4	0.6	0.2	-0.5
17th	-1.2	1.9	-0.3	0.3	0.7	-0.7	0.5	-0.4	-0.1	0
18th	-0.1	1.5	0	-0.2	-0.8	-0.5	0.2	0.2	-0.2	-0.4
19th	-1.5	3.5	0.2	-0.1	-0.2	-2	0	0.3	0.2	-2.1
20th	-1.7	-0.8	0.2	0.3	1.8	-0.5	-0.1	0.1	1.3	0.4

D-427

RUN 36   PT 6

V/OR = 0.228   ALFS,U =-10.00   CLRH/S = 0.064532   CTH/S = 0.065467
VKTS = 91.7   MTIP = 0.606   CXRH/S = 0.011028   CP/S = 0.004599

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	71.1		762.9		320.5		1280.9		-140.8	
RMS	360.9		286.5		318		263.8		148.4	
1/2 P-P	577.7		531.5		610.7		534.9		230.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	137.7	484.1	61.9	379	-16.3	412.1	-71.5	319.8	100.3	176.7
2nd	40.1	-3.4	28	-26.9	29.6	-55.7	40.6	-58.9	28	27.9
3rd	-44.6	5.2	-60.6	15.4	-82.1	14.1	-71.6	2.7	-16.5	-9
4th	0.9	26.6	17.5	52.1	26.5	79.5	36.5	75.2	7.4	-11.5
5th	-29.7	-35.2	-46.1	-67.6	-57.9	-92	-48.3	-95.4	-15.4	5
6th	-12.8	11.8	1.4	-16.6	10.7	-34.4	13.1	-41.9	-10.9	-7.8
7th	-7	-11.1	-2	-3.6	6	4.4	14	9.1	3.8	-3
8th	0.6	6.9	5.7	-1.2	3.2	-3.4	-6.2	-5.5	-7.4	3.2
9th	-4.3	-7.1	-3.1	-4.4	0.7	-0.5	2.5	2.5	-1	-4.4
10th	-11.2	-5.7	-9.9	-2.8	-2.7	1.1	7.6	2.7	-1.5	2.3
11th	9.1	-2.7	10.2	-11.2	3.5	0.2	-5.5	6.9	-6.6	0.8
12th	-12.9	-0.4	-16.3	3.1	-7.3	2	6.9	-1.9	0.9	0.2
13th	-2.7	2.8	-4.9	4.5	-2.1	4.9	1.7	-2.2	-1.9	5.7
14th	0.8	0.4	0.8	1.2	-0.3	4	0.2	-0.9	-2.4	0.5
15th	0.8	0.5	-1.4	2.6	-5.3	3.5	-0.2	-0.2	1.3	0.5
16th	-0.3	-0.3	1.4	3.7	4.4	3.8	1	0.1	-0.8	3.1
17th	2.9	-0.7	-0.9	-0.2	-3.9	4.6	-0.8	-0.6	-0.1	-1.2
18th	0.5	-0.5	1.3	-0.4	1.2	0.5	0.6	-0.9	2.1	0.4
19th	4.5	0.2	-1.7	0.1	-5.3	7.8	-3.5	-2.3	-1.3	-0.5
20th	7.7	-1	-0.2	1.2	-10.1	7.8	-3.4	5.4	0	-2.8

RUN 36   PT 7

V/OR = 0.251
VKTS = 100.6

ALFS,U = -10.00
MTIP = 0.605

CLRH/S = 0.064967
CXRH/S = 0.011010

CTH/S = 0.065892
CP/S = 0.004884

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	171.2		25.6		55.1		-42		5.7	
RMS	54.3		36.8		50.3		79.4		24	
1/2 P-P	118.8		80.2		81.5		135		45	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	55.8	36.9	39.6	-16.7	40.4	-49.2	38.7	-77.5	-15	-24.1
2nd	16.9	14.9	4.1	19.8	-0.8	25.6	-49.4	15.3	-11.4	8.1
3rd	-0.4	19.3	6.3	12.8	9.2	13.6	5.1	46.1	-4.4	8.7
4th	6.9	1.9	6.8	-0.3	4.6	-2	-8	12.2	1.4	3.6
5th	0.9	8.3	3.3	3.9	1.1	1.7	-2.4	-3.3	1.4	1.3
6th	-4.5	9.7	-2.3	7.5	-2.6	4	1.9	-2	-0.6	-1.2
7th	-0.6	-1	-0.1	0.5	-1.2	0.6	-0.5	-1.9	-1.2	-1.3
8th	-6.5	2.1	-3.8	2.1	-3.3	0.9	-1.3	-0.5	-0.1	-0.2
9th	-2.3	0.5	-1.1	1.1	-0.4	0.4	-1.8	0	1.7	0.7
10th	2.7	3.2	2	1	-0.6	-0.2	0.9	0.3	-0.4	-0.2
11th	-7.4	14.2	-0.9	8.5	0.5	-1.2	-0.4	4.8	-0.1	-4
12th	0.8	1.4	1	0.9	-0.4	-0.2	0.4	0.5	-0.4	-0.4
13th	1	1.7	0.6	1	-0.4	0.5	-0.1	0.4	0.3	-0.1
14th	0.4	0	0.2	0.6	-0.6	0.9	-0.2	0.7	0.3	-0.5
15th	1.1	0.5	0.5	0.1	-1.4	0.7	-0.4	0.5	-0.1	-0.1
16th	0.4	-0.3	0	-0.4	-0.7	0.3	0.2	0.8	-0.3	-0.8
17th	-0.8	1.3	0.1	0.3	0.1	-0.5	0.4	-0.4	0.1	0.2
18th	0	0.6	-0.1	0	-0.4	-0.4	0.3	0.3	-0.2	0
19th	-1.1	2.4	0.5	0	0.2	-0.9	-0.2	0.1	0.3	-1.3
20th	-0.5	-1.4	0.3	0.1	1.1	0.1	-0.1	0	0.7	0.9

D-429

RUN 36   PT 7

V/OR = 0.251   ALFS,U =-10.00   CLRH/S = 0.064967   CTH/S = 0.065892
VKTS = 100.6   MTIP = 0.605   CXRH/S = 0.011010   CP/S = 0.004884

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	83.8		769.9		322.4		1277.9		-148	
RMS	362		295.7		339.7		294.7		155.4	
1/2 P-P	599.2		554.3		670.1		615.2		256.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	183	467.7	85.9	373.1	-12.4	416.1	-81.6	329.4	121.7	172.7
2nd	52.2	-16.1	36.6	-41.6	35.4	-77.6	42.7	-77.3	32.5	33.1
3rd	-42.2	25.7	-59.9	30.8	-87.8	29.3	-76.1	16.8	-22.2	5.6
4th	8.6	27.7	30.1	53	45.7	82.1	55.5	80.9	13.1	-14
5th	-41	-35.3	-106.4	-59	-151.8	-79	-156.4	-79.3	-10.9	5.4
6th	0.5	13.2	-3.7	-21	-5.1	-47	-9.7	-53	-12.8	-9.3
7th	-8.1	-13.1	0.1	-2.5	9.6	5.1	14	8.6	0.5	-7.9
8th	7.2	5.4	8.3	0	4	-1.8	-7	-2.1	-4.2	4.6
9th	-7.3	1	-2.5	0.4	1.9	-0.9	3.1	-1.5	-3	-3.4
10th	-3.1	3	-4.5	1.2	1	2.1	3.8	0.3	1.9	0.4
11th	11.6	-8.5	10.7	-23	4.1	-2.2	-6.7	15.3	-5.6	3.1
12th	3	17	8.1	17.1	6.2	10.3	-2.4	-6.5	0.5	0.5
13th	-1.2	5.8	-0.2	9	2.7	6.8	-0.4	-1.9	3.2	3.4
14th	0.6	-0.7	-0.6	2	1.1	1.6	-0.6	0.2	0.5	1.2
15th	0.5	-0.6	1.4	2.4	4.5	2.1	-0.3	0.2	0.1	2.6
16th	0.8	-0.2	7.2	-2	9.1	-4	2.2	-0.7	2.4	0.7
17th	-0.1	-2.9	0.1	0.1	1.6	3.8	0.4	-0.2	-1.2	1.7
18th	0.3	0.4	0	-2	-0.2	-3.5	-0.3	-1.8	1.8	-0.4
19th	-1	-4	0.3	-0.3	3.9	5.6	1.9	-0.7	-1.4	1.2
20th	1.7	-8.4	0.7	3.4	3.1	10.6	4.9	11.2	-0.9	-1.3

D-430

RUN 36   PT 8

V/OR = 0.227   ALFS,U = -10.00   CLRH/S = 0.064376   CTH/S = 0.065317
VKTS = 91.3   MTIP = 0.606   CXRH/S = 0.011055   CP/S = 0.004596

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	167		22		52.5		-42.3		5.2	
RMS	49.7		29.4		43.1		72.6		22.2	
1/2 P-P	103.3		70.3		75.1		125		42.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	46.2	43.2	32.5	-11.4	33.9	-44.4	26.5	-70.8	-12.8	-21.4
2nd	13.8	12.4	3.4	14.8	-1.3	18.4	-48.1	12.2	-12.8	6.9
3rd	-2.9	11	3.8	8	6.5	10.5	3.4	46.2	-4.4	8.2
4th	2.6	-2	3.4	-2.9	3	-4	-5.4	9.9	3.7	3.7
5th	1.1	7.9	6	4.4	5.5	2.8	-5.4	-3.7	0	0
6th	-8.6	8.5	-4.2	6.6	-2.1	3	2.1	-1.9	-2.3	-1.3
7th	4.3	1.3	3.4	1.1	2.1	0.6	-0.3	-1.8	-0.4	-0.7
8th	-6.4	5.6	-3.3	4.7	-2.1	1.7	-1.7	0.4	1	0.7
9th	-2	1.6	-0.6	1.8	-0.1	0.9	-0.7	-0.3	1.8	1.2
10th	1.7	1.5	1.8	0.3	1	0.1	1.1	-0.7	-0.7	0.4
11th	-7.3	7.4	-2.3	4.9	0.5	-0.7	-0.9	2.4	-0.2	-2
12th	2.7	2.3	1.6	0.4	-0.9	-0.4	0.5	-0.1	-0.3	0.1
13th	0.4	2.9	0.4	0.7	-0.1	-0.3	0.2	-0.4	0.2	0.4
14th	-1.5	2.1	-0.4	0.6	-0.1	-0.4	0.6	-0.4	-0.5	0.4
15th	-1.2	1	-0.6	0.3	-0.5	0.5	0.6	0.1	-1.2	0.1
16th	1.4	0.5	0.4	-0.6	-0.6	0.4	-0.4	0.8	0.1	-0.9
17th	-0.5	1.6	-0.2	0	0.1	-0.4	0.4	0	0.2	-0.5
18th	-0.6	1.5	0	-0.2	0	-0.6	0.1	0.2	0.2	-0.6
19th	-1.4	3.4	0.3	-0.5	-0.4	-1.4	-0.2	0.4	0.3	-2.2
20th	-1.8	-1.8	0	0.1	1.7	-0.1	-0.2	0	1.7	0.9

D-431

RUN 36   PT 8

V/OR = 0.227
VKTS = 91.3

ALFS,U =-10.00
MTIP = 0.606

CLRH/S = 0.064376
CXRH/S = 0.011055

CTH/S = 0.065317
CP/S = 0.004596

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	65.1		756.9		313.1		1281.9		-140.9	
RMS	358.1		284.3		315.3		262.4		151	
1/2 P-P	568.3		521.7		598.6		522.5		236.8	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	130	482.4	56.3	376.5	-19.8	408.7	-72.9	318.1	102.8	179.5
2nd	33	-4.3	22.7	-26.7	25.5	-54.6	37.4	-58.5	27.1	26.8
3rd	-48.4	1.9	-63.6	13.6	-85.7	11.5	-73.7	1.4	-15.8	-10.2
4th	-1.2	23.4	15.1	48.5	23.9	74.8	34.4	71.5	8.7	-12
5th	-29.6	-37.5	-39.7	-73.8	-45.5	-100.2	-34.7	-103.8	-17.4	5.4
6th	-13	8.8	1.9	-15.7	11.4	-30.7	13.6	-37.4	-10.9	-9.6
7th	-6.7	-9	-3.1	-2.7	4.4	2.7	13.2	5.1	4.8	-0.6
8th	-1.1	5.4	3.8	-2.7	2.9	-4.5	-3.8	-4.2	-7.3	4.6
9th	-2.7	-7.6	-1.8	-5.7	0.3	-0.8	1.4	2.6	-0.7	-3.9
10th	-10.5	-5.4	-9.6	-2.5	-3.5	0.8	7.4	2.2	-1.1	2.8
11th	10.7	-3.6	13.1	-12.7	3.5	-0.5	-7.5	7.3	-5.5	0.3
12th	-14.7	-3	-19.8	0.4	-8.8	1.2	8.2	-0.9	0.4	1.6
13th	-3.5	3.2	-5.8	5.7	-3.7	6.3	2.1	-2.2	-3.7	4.3
14th	0.6	0.1	0.4	-0.1	-1.5	2.6	0.4	-1.1	-1.6	1
15th	0.6	0.5	-2.4	1.7	-5	3.5	0.1	-0.2	0.2	1.5
16th	-0.1	0.1	0.5	4.2	2.4	3.2	0.6	0.1	-1.1	3.2
17th	2.3	0.5	-1.1	-0.4	-3.5	1.9	-0.8	-1.3	0.6	-0.9
18th	0.7	-0.3	0.5	-0.4	-0.2	1.8	0.5	-1.2	1.5	0.2
19th	2.7	2.5	-1.5	-1.4	-4.7	2.4	-2.7	-4.7	-1.4	0.2
20th	5.7	1.9	-0.2	0.2	-12.4	1.1	-2.6	2.7	0.3	-2.8

D-432

RUN 36   PT 9

V/OR = 0.201	ALFS,U =-10.00	CLRH/S = 0.064181	CTH/S = 0.065121
VKTS = 80.2	MTIP = 0.604	CXRH/S = 0.011025	CP/S = 0.004303

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	163.7		19.6		50.3		-40.5		5.2	
RMS	46		23.3		36.3		65.2		21.1	
1/2 P-P	82.2		55.5		68.1		122.3		46.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	35.2	46.1	24.3	-7.9	24.3	-40.4	9.6	-64	-10.7	-18.4
2nd	13.2	10.3	3.2	9.6	-2.3	12.4	-44.4	10.7	-14.9	5.4
3rd	-4.5	4.3	0.3	4.3	1.2	8.2	-1.4	45	-4.4	7.6
4th	-1.5	-7.7	-0.9	-6.9	0.1	-6.6	-2.8	8.8	6.2	3.7
5th	1	9	6.9	7	7.5	6.4	-5.8	-6.5	-0.9	-1.8
6th	-11.4	4.4	-5.8	4	-1.4	1.9	2.1	-2.4	-4.4	-1.2
7th	8.9	1.8	6.6	0	3.7	-0.1	-0.6	-0.9	0.7	-0.6
8th	-7.5	6.1	-4	4.9	-1.9	1.8	-1.8	0.6	1.9	0.6
9th	-0.7	0.6	-0.6	0.6	-0.4	0.8	0.2	-0.7	1	1.1
10th	4.1	-1.5	2.6	-1.5	1.3	1.1	2.1	-1.8	-2.1	1.3
11th	-5.4	-0.7	-2.7	0.2	0.7	0.6	-1	0	-0.2	0.1
12th	3.3	2.3	2	0	-0.5	-0.2	0.9	-0.2	-0.1	0
13th	-0.8	2.5	0.5	0.6	0.8	-0.4	1.1	-0.3	-0.2	0.2
14th	-3.6	1.3	-0.8	0.2	1.6	-0.3	1.6	-0.5	-1.5	0.6
15th	-2.2	-1.5	-1.2	-0.4	0.6	1.5	1.5	0.9	-1.9	-0.7
16th	2.3	1.5	0.8	-0.6	-0.8	0.7	-1.4	0.7	1	-0.8
17th	-0.9	2.2	0.1	-0.2	0.4	-0.3	-0.1	-0.1	0.9	-0.6
18th	-0.8	0.9	0.3	-0.2	0.5	0	-0.3	0.2	1	-0.1
19th	-1.1	1	0.3	-0.2	0.1	0.3	-0.3	0.3	0.7	-0.5
20th	-1.6	-2.3	0	-0.1	2	0.2	-0.3	0	1.8	1.1

RUN 36　　PT 9

V/OR = 0.201　　ALFS,U =-10.00　　CLRH/S = 0.064181　　CTH/S = 0.065121
VKTS = 80.2　　MTIP = 0.604　　CXRH/S = 0.011025　　CP/S = 0.004303

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	52.2		741.7		307.4		1274.8		-131.4	
RMS	356.8		276		296.8		236.6		146.4	
1/2 P-P	547.2		481.6		537.6		439		235	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	96.2	490.4	42.3	376.2	-10.6	399.2	-50.5	302	84.8	181.6
2nd	29.1	5.8	20.2	-13.2	27.2	-34.6	40.6	-42.1	27.4	21.4
3rd	-35.7	-18.8	-50.9	-4.5	-65.2	-9	-56.6	-17.5	-6.9	-19.6
4th	-3	21.9	10.9	47.8	15.6	69.7	23.2	65.2	0.5	-16.5
5th	-19.2	-33.1	3.9	-49	19.2	-60.5	38.4	-57.9	-20.5	5
6th	-18.2	2.8	6.6	-6	19.5	-10.5	25.2	-14.1	-9.1	-5.1
7th	-6	-5.4	-6.4	-1	-2.5	2.9	10.6	2.3	5.5	5.1
8th	-4.6	2.4	3.4	-4.1	3.3	-6	-0.6	-5	-8.2	0.8
9th	6.1	-3.9	4	-3.5	0.7	-1	-3	1.2	1.8	-0.4
10th	-0.8	-8.5	-3.9	-3.4	-1.7	-1.6	3.7	2	-3.3	2
11th	5	4.2	10	2.6	1	1.8	-5.2	-1.9	-2.6	-0.6
12th	-4.9	-11.9	-11.9	-12	-4.7	-6.7	6.2	4.3	-0.4	2.5
13th	-3	-1.8	-6.2	-3.8	-5.7	-1.3	3.6	1.1	-3.7	-0.7
14th	-0.2	0.8	1.9	-0.4	-3.9	1.9	1.7	-0.6	-1.9	2.8
15th	0.3	0.3	-1	-2.5	-7.2	-5.4	0.6	0.6	2.1	-2.1
16th	-0.2	0.3	-1.8	1.9	1.3	0.3	-0.2	-0.2	-3.3	2.7
17th	0.1	1.4	0	-1.5	-1.5	-0.6	0.9	-2.3	1.2	-0.4
18th	0.1	0.1	0.4	0.2	-1.1	-0.1	1.9	0.1	0.3	-0.8
19th	-2.2	-0.3	1.1	-0.2	1.4	-0.2	3	-1.3	0.9	0.2
20th	2.7	3.8	1.2	0	-9.4	-4.9	0.2	-0.3	0.1	-1.4

D-434

RUN 36 PT 10

V/OR = 0.178
VKTS = 71.1

ALFS,U = -10.00
MTIP = 0.604

CLRH/S = 0.064236
CXRH/S = 0.011080

CTH/S = 0.065184
CP/S = 0.004112

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	162.9		17.9		48.2		-36.9		5.9	
RMS	44.2		20.4		32		60.4		21.7	
1/2 P-P	77.6		45.3		64.9		119.5		50.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	27.4	46.9	17.1	-5.1	16.2	-35.9	-6.1	-57.7	-9.6	-15.9
2nd	12.3	8.5	2.3	5.7	-4.3	7.6	-39.7	9.1	-18.1	4.4
3rd	-6.6	1.3	-3.4	4.2	-3.2	10.1	-7.5	43.8	-4.5	7.4
4th	-4.2	-12.9	-3.5	-10.5	-2.6	-8.4	-0.1	9.9	8.9	3.6
5th	-0.6	11	5.7	11	6.5	11.5	-4.1	-11.8	-1	-3.2
6th	-12.5	-0.3	-7.3	1.2	-2.4	2.2	2.4	-3.3	-5.9	-0.8
7th	9	2.1	6.9	-0.2	4.2	0	-1	0.2	1	-0.6
8th	-6.3	5.6	-3.4	4.6	-1.6	2.5	-1.8	0.5	2.7	0.4
9th	-0.7	-0.7	-1.2	-1	-0.6	0.6	0.2	-1	0.9	0.7
10th	4.6	-1.8	2.4	-1.7	0.5	1.1	2.1	-1.6	-2.8	1.5
11th	-1	-3.9	-0.8	-2.3	0.4	1	-0.1	-1.2	-1.1	1.1
12th	2.4	0.9	1.5	-0.5	-0.4	0.8	1	-0.1	0.1	-0.4
13th	-0.7	1.7	0.6	0.5	1	0.5	1.2	0.2	-0.2	-0.2
14th	-4.2	0.1	-0.8	0	1.4	0.1	1.9	0.1	-2	0.2
15th	-1.3	-3.2	-0.9	-1.1	0.6	2.1	1.2	1.7	-1.3	-1.3
16th	1.9	2.1	1.2	-0.2	-1.1	0.3	-1.6	0.1	1.3	-0.1
17th	-1.2	1.5	0.1	0.1	0.5	-1	-0.2	-0.4	0.8	-0.1
18th	-0.9	0.1	0.2	0.1	0.8	-0.2	-0.1	-0.2	0.7	0.5
19th	1.1	0.1	-0.1	0.2	-0.5	0.7	-0.3	0	-0.6	0.8
20th	-0.9	-1.6	0	0.1	1.4	0.5	-0.5	-0.3	0.9	1

D-435

RUN 36   PT 10

V/OR = 0.178　　ALFS,U = -10.00　　CLRH/S = 0.064236　　CTH/S = 0.065184
VKTS = 71.1　　MTIP = 0.604　　CXRH/S = 0.011080　　CP/S = 0.004112

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	44.6		735.4		303.8		1274.9		-124.2	
RMS	351.7		269.4		284.2		221.9		143.3	
1/2 P-P	549.4		486.6		511.4		401.6		242.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	64.1	488.2	28.3	370.2	-2.8	383.5	-28.9	283.1	71.4	181.7
2nd	23.6	11.2	16.7	-5.2	29	-21	41	-32.6	27.6	16.4
3rd	-25.3	-41.7	-42.2	-25.7	-50.3	-33.3	-44.8	-37.6	0.2	-26.8
4th	-8.9	19.9	2.7	50.6	6.9	70.7	10.8	65.4	-5.5	-21.4
5th	-11.9	-29.2	26.9	-21.5	53.3	-18.3	74.9	-5.6	-22.6	3.6
6th	-17.4	-6	8.5	1.6	22.4	6.7	25.3	5.5	-6.8	-2.2
7th	-4.6	-1	-6.9	1	-5.7	0.5	6.5	-1.3	1.7	6.2
8th	-3.7	-4.2	2.9	-6.4	3.6	-6.8	1.5	-1.6	-3.1	1.4
9th	8.2	5	6.5	3	1.4	-0.2	-4.8	-4.3	0.3	3.1
10th	5.3	-1.8	0.9	0.9	0.4	-1.2	0.8	-2	-2.4	-0.5
11th	-7.3	4.8	-4	9.6	-4.7	1	2.9	-5.8	-1.9	-0.8
12th	-0.2	-3.2	-3.8	-2.4	-1.5	-2.9	2.9	1.1	0.2	0.4
13th	-0.1	-6.4	-3.3	-11.2	-3.3	-8.7	2.4	4.2	-1	-3
14th	-0.3	-0.1	1.9	-0.6	-4.9	-1	1.7	0.8	-3.2	0.4
15th	0.4	-0.2	1.2	-1.9	-3	-8.4	0.2	1.2	4.6	-1.6
16th	-0.6	0.5	-1	1.7	3.7	1.4	0.5	0.2	-4.1	-1.5
17th	0.2	-0.3	0.4	-1.4	-0.4	-0.1	1.2	-1.1	-0.5	-0.5
18th	-0.4	-0.1	0.2	0.1	0.1	-0.5	1.8	0.7	-0.1	-0.8
19th	1.7	-2.3	-0.3	1	0.9	2.2	-1.1	3.3	-0.1	0.1
20th	-2	1.1	1.1	0.5	0.3	-4.8	4	0.1	-1.6	-1.5

D-436

RUN 36　　PT 11

V/OR = 0.151	ALFS,U = -10.00	CLRH/S = 0.063934	CTH/S = 0.064857
VKTS = 60.4	MTIP = 0.605	CXRH/S = 0.010908	CP/S = 0.003891

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	161.4		15.1		45.3		-32.9		8.1	
RMS	44.6		20.8		29.5		58.9		24.2	
1/2 P-P	84.4		59.2		61.6		120.3		54.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	14	50	6.9	-0.7	5.2	-29.9	-22.8	-50	-8.6	-13
2nd	11.1	7.8	1.2	2.7	-5.8	3.4	-35.1	6.6	-23.4	3.2
3rd	-9	-0.2	-8.1	6.2	-10.4	13.1	-14.5	43.8	-4.1	7
4th	-7.5	-18.2	-6.8	-13.1	-5.3	-10.2	3	10.5	13.1	3
5th	-0.2	14.5	5.4	15.6	4.8	16.7	-3.4	-18.3	-1.2	-4.5
6th	-13.2	-4.4	-8.9	-1	-4.3	1.8	3.7	-2.6	-8.1	-0.3
7th	7	0.3	5.6	-1.5	3.5	-0.5	-1.3	1	0.6	-1.5
8th	-9.6	6.3	-5.6	5.7	-2.7	2.7	-2.4	0.8	2.9	0.1
9th	-1.8	-2.2	-1.4	-1.9	-0.6	0.5	0	-1.3	0.9	0.6
10th	5.6	-0.2	3.1	-1.5	0.2	0	2.9	-0.9	-3.7	1.4
11th	-1.5	3.1	0.5	2	0.7	0.4	0.7	1.2	-1.6	-0.8
12th	0.4	0	0.5	-0.3	-0.2	0.5	0.4	-0.1	0.2	-0.6
13th	-0.3	0.8	0.2	0.5	0.4	0.3	0.2	0.2	0.7	-0.5
14th	-4	0.8	-0.3	0.3	1.4	-0.8	1.3	-0.4	-1.2	0.9
15th	-1.5	-3.1	-0.9	-0.3	0.5	1.8	0.9	1.5	-1.1	-0.8
16th	0.9	1.6	0.6	0.2	-1.2	-0.1	-1	-0.1	0.6	-0.1
17th	-0.5	1.3	0.2	0	0	-0.8	-0.2	-0.3	0.6	-0.6
18th	-1.2	0.5	0.1	0.2	0.6	-0.7	0	0	0.6	-0.2
19th	-0.7	0.3	0	-0.1	-0.1	-0.1	0	0.2	0.4	-0.2
20th	0.5	-0.4	0.3	0.2	0.1	0.4	-0.2	0	-0.3	1.1

D-437

RUN 36   PT 11

V/OR = 0.151	ALFS,U = -10.00	CLRH/S = 0.063934	CTH/S = 0.064857		
VKTS = 60.4	MTIP = 0.605	CXRH/S = 0.010908	CP/S = 0.003891		

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	33.6		728.2		300		1278.2		-117.4	
RMS	340.8		257.9		266.4		205		137.9	
1/2 P-P	546.1		484.8		524.6		418.5		243.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	37.9	472.7	22.3	352	14.9	354.4	1.7	252.7	51.4	178.8
2nd	13.3	17.4	9.7	3.2	27.1	-7.5	36.8	-23.1	29.2	14.9
3rd	-11	-72.5	-30.7	-55.9	-31	-67.7	-30.5	-65.4	6.6	-29.7
4th	-13.8	16.3	-4.9	49.8	-1.6	67.7	-1.5	61.5	-9	-26.7
5th	-9.4	-24.3	27.5	8.2	53	26.2	71.7	49.6	-22.5	6.7
6th	-9.1	-13.8	9.1	7.4	18.5	22.1	14.6	24.7	-2.9	2.2
7th	-6.6	6	-6.4	4	-5.1	-1.1	5.8	-7.9	-0.8	5.7
8th	0.5	-7.5	7.2	-8.5	7.8	-5.5	0.5	3.9	-0.8	0.1
9th	2	11.1	4.9	7.4	2.7	0.7	-0.5	-8.6	-2.3	1.6
10th	1.9	6.4	-1.6	5.7	1.2	1.4	3.7	-5.5	-1.4	-0.7
11th	-4.1	-9.9	-6.4	-10.6	-4	-4.3	3.6	6.5	-2.5	-1.9
12th	-2	-2.1	-4.2	-1.6	-2.4	-2.9	1.8	0	0.1	1.9
13th	3	-4.7	1.9	-9.5	2.2	-6.9	-0.1	3.1	0.9	-2.2
14th	-0.4	-0.1	1.6	-0.3	-2.6	1.9	2.1	-0.2	-4.3	1.6
15th	0.5	0.1	0.1	0.3	-3.6	-4.3	0.2	1.5	6	-2.2
16th	0.4	-0.3	-2.7	3.1	-0.2	4.6	-1	0.4	-2.2	-0.4
17th	2.4	0.7	-0.9	-1.6	-2.5	-0.4	-0.4	-1.1	-0.7	-0.8
18th	1.3	-0.6	-0.1	-0.1	-1.6	2.2	0.7	0.4	0.5	-0.1
19th	1.2	1.7	0.4	-0.3	-1.9	-0.5	0.3	-1.1	-0.2	1.7
20th	2.7	-5.5	-1.1	3.3	0.8	8.9	0.4	9	-0.4	-1.2

D-438

RUN 36   PT 22

V/OR = 0.150   ALFS,U = -10.00   CLRH/S = 0.064233   CTH/S = 0.065130
VKTS = 60.3   MTIP = 0.605   CXRH/S = 0.010787   CP/S = 0.003888

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	161.5		15.3		43.4		-33		8.4	
RMS	42.5		21.2		29.5		59.7		24.7	
1/2 P-P	77.2		61.7		63.2		122.9		56	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	10.1	46.7	5.4	-1.7	4.7	-30.4	-22.7	-50.5	-8.7	-13.2
2nd	10.9	8	1.1	2.9	-5.7	3.4	-35.6	6.5	-23.8	3
3rd	-9.4	1.3	-8.5	7	-11	12.4	-15.5	44.6	-4.2	7
4th	-7.7	-18.2	-7.2	-13	-5.9	-9.2	3.2	10.4	13.5	3
5th	-0.1	15	5.2	16.1	5.4	16.5	-3	-18.7	-1.1	-4.7
6th	-13.9	-4.4	-9.6	-1	-5.5	0.6	4	-2.8	-8.3	-0.3
7th	8.1	-0.3	6.4	-2.1	3.5	-1.1	-1.3	1.1	0.8	-1.5
8th	-9.3	6.5	-5.2	5.9	-1.5	2.5	-2.4	0.8	3.2	0
9th	-1.1	-1.6	-0.9	-1.7	-0.7	-0.4	0	-0.9	1.2	0.4
10th	5.4	0.5	3.1	-1.4	-0.6	-0.2	2.9	-0.7	-3.7	1.2
11th	-1.6	3.4	0.7	1.9	0.4	0.1	0.7	1.4	-1.7	-0.8
12th	0.6	-0.8	0.3	-0.7	-0.1	0.3	0.1	-0.2	0.6	-0.6
13th	0.1	0.8	0.3	0.3	-0.4	0.4	0.2	0.1	0.8	-0.5
14th	-4.1	0.8	-0.4	0.4	1.3	-0.2	1.4	-0.3	-1.4	0.7
15th	-1.8	-2.2	-0.8	-0.2	0.8	1.1	0.8	1.1	-1.1	-0.4
16th	1.2	1	0.6	-0.1	-0.7	-0.2	-1.1	0.1	0.5	-0.3
17th	-1.4	1.5	-0.1	0.1	0	-0.1	-0.1	-0.5	0.3	-0.5
18th	-1.3	0.3	0	0.2	0.1	-0.1	0.2	-0.2	0.5	0.1
19th	-1.3	0	0	-0.1	-0.1	-0.4	0	0.2	0.5	-0.1
20th	0.5	-0.3	0.3	0.2	0	0.1	-0.2	0	-0.2	0.8

RUN 36   PT 22

V/OR = 0.150   ALFS,U = -10.00   CLRH/S = 0.064233   CTH/S = 0.065130
VKTS = 60.3   MTIP = 0.605   CXRH/S = 0.010787   CP/S = 0.003888

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	35.2		723.1		294.7		1272.3		-119.1	
RMS	340.5		258.7		266.4		205.2		129.7	
1/2 P-P	546.8		489.3		523.3		425.7		235.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	44	470.9	28.7	352	14.9	354.5	4.8	252.8	37.9	170.3
2nd	14.7	18.3	11.3	3.4	30.2	-8.1	38.3	-23.3	31.7	20.2
3rd	-9.7	-76.5	-29.7	-61	-28.5	-72.5	-28.8	-69.2	2.7	-25.8
4th	-14.8	16	-5.6	49.7	-1.3	66.8	-1.4	62.2	-7.5	-23
5th	-11.2	-24.5	22.2	9.2	42.9	28.1	64.1	51.8	-20.2	7.1
6th	-10.2	-12.5	9.5	8.6	19.3	22.8	16.7	25.5	-2.2	5.1
7th	-4.4	7.2	-7.3	5.1	-6.5	-1.3	1.6	-8.8	0.4	3.2
8th	1.2	-4.9	6.8	-8	7.2	-6.7	-0.5	2.2	-0.5	-0.6
9th	2.5	12.6	5.1	8.2	2.8	0.5	-1.4	-8.6	-1	0.2
10th	4.7	10.2	1.1	7.5	1.2	2.1	1.1	-6.5	-3.1	-0.2
11th	-3.8	-8.4	-5.7	-9.3	-3.5	-2.8	3.5	6.1	-3.1	-2.2
12th	-6.8	-0.4	-8.9	2.3	-4.8	-0.5	3.7	-1.6	0.5	1.6
13th	2.1	-3.5	0.7	-7.2	2.4	-5.4	0	2.3	2.1	-2.2
14th	-1.2	-0.3	0.5	0	-3.5	2.2	1.9	0.1	-3	-0.8
15th	0.6	0.6	-0.6	-1.1	-4.5	-4.5	0	1.2	3.8	-1.3
16th	-0.1	-0.3	-1.5	4.4	1.5	5.6	-0.8	1.1	-2	1.8
17th	2.9	1.4	-2.1	-1.9	-4.3	0.2	-1.1	-1.7	-0.8	-0.6
18th	1.1	-0.8	0.6	0.4	-0.2	3.1	0.9	0.6	-0.1	0.7
19th	2.5	1.6	-0.3	0	-3.6	0.6	-0.9	0.2	0	1.6
20th	1.8	-4.2	-0.3	2.2	1.3	7.9	0.6	6.6	0.2	-1.6

D-440

RUN 36   PT 23

V/OR = 0.124   ALFS,U = -10.00   CLRH/S = 0.064362   CTH/S = 0.065259
VKTS = 50.0   MTIP = 0.606   CXRH/S = 0.010798   CP/S = 0.003803

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	160.9		13.7		42		-27.8		13.8	
RMS	45.1		26.4		30.8		61.9		29.9	
1/2 P-P	81.3		71.5		62.6		123.2		64.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	1.8	46.7	-3.4	1.4	-4.7	-23.7	-37.2	-42.6	-8.8	-11.1
2nd	9.8	6.8	0	-0.2	-6.2	-0.4	-34.6	1.9	-31.9	2.3
3rd	-15	2.1	-15.7	10.7	-18.9	16.5	-21.8	45.3	-4.5	7.3
4th	-10.5	-21.4	-10.2	-14.5	-8.6	-10.1	5.3	10.9	18	1.6
5th	-1.3	17.7	3.2	19.4	2.8	19.5	-1.3	-22.6	-0.2	-6.1
6th	-14.5	-6.2	-11.4	-2	-7.3	-0.3	5.9	-2.2	-9.2	0.9
7th	3.5	-2.2	3.1	-2.8	1.7	-1.8	-1.2	1.7	-0.4	-1.2
8th	-11.4	7.2	-6.5	6.4	-1.9	2.3	-2.7	1.2	2.6	-0.5
9th	-1.8	-2.3	-1.3	-1.6	-0.6	-0.1	0	-1.2	1.2	-0.2
10th	4.3	0.7	2.7	-1	-0.7	-0.2	2.3	-0.6	-2.8	1.1
11th	-3.3	14.8	1.2	8.1	0	-1.3	1	4.8	-1.7	-3.2
12th	-0.4	-1	0.2	-0.2	0.1	0.4	0.2	0.3	0.1	-0.8
13th	0.3	1	-0.1	0.2	-0.8	0	-0.6	0.1	1	-0.4
14th	-2	0.2	0.1	0.4	0.7	0.4	0.7	0	-0.4	0.2
15th	-0.8	-0.7	-0.2	0.1	0.3	0.7	0.3	0.6	-0.4	-0.2
16th	0.9	0.4	0.1	-0.3	-0.4	0.1	-0.7	0.5	0.3	-0.4
17th	-0.4	0.8	0.2	-0.3	0	0.2	-0.3	0.5	0.4	-0.4
18th	-0.9	0.9	-0.1	0	0.2	0	0	0	0.2	-0.2
19th	-1	-0.1	0.1	0	-0.1	0.1	-0.1	0.1	0.8	0.2
20th	0.6	0.4	-0.1	0.1	-0.5	0.3	0	0	-0.7	0.5

D-441

RUN 36   PT 23

V/OR = 0.124   ALFS,U = -10.00   CLRH/S = 0.064362   CTH/S = 0.065259
VKTS = 50.0   MTIP = 0.606   CXRH/S = 0.010798   CP/S = 0.003803

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	28.5		716.8		291.9		1268.2		-119.5	
RMS	331.6		251.5		255.7		198.3		129.2	
1/2 P-P	562		501.9		533.5		436.2		235.5	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	18.2	455.6	22.8	335.9	32.7	328.2	34.6	225.4	29.2	168.7
2nd	5.7	24	6.5	11.2	27.3	3.7	32	-12.4	35.6	19.4
3rd	10	-98.9	-12.5	-87.2	-7.9	-103	-16	-93.6	6.3	-28.2
4th	-19	10.5	-12.8	46.7	-10.7	63.1	-14.6	60.3	-11.8	-29.3
5th	-11.6	-18.2	6	34.1	14	65.8	29.1	97	-20.1	8.5
6th	0.1	-15	11.1	11.4	15.7	30.3	5.2	35.5	-1	8.9
7th	-.9	10.2	-5.2	7.4	-1.8	0.9	3.8	-8.6	-2.1	1.3
8th	3.9	-2.8	10	-6.7	8.5	-3.8	-2	5	1.1	-2
9th	-4.1	10.4	1.8	7.7	4	0.3	3.9	-7.4	-0.2	-0.3
10th	-2.7	13.7	-2.8	10.6	1.1	3.5	4.4	-8.7	-2.8	-1.3
11th	3.9	-13.7	-1.7	-25	0.6	-3.6	0.7	16.2	-1.8	-0.4
12th	-2.4	-1.5	-3.9	-0.7	-1.8	-2.3	1.4	-0.2	-0.5	0.1
13th	-1.7	-1.3	-5.2	-0.8	-1.4	-0.8	0.5	0.1	2.2	3.8
14th	0.3	-0.3	0	1.1	-1.6	1.4	1.5	0.5	-2.8	-2.4
15th	-0.1	0.5	-3.4	-1.8	-5.5	-3.4	-0.1	0.6	1.3	-1
16th	1.3	0.6	-1	1.8	-0.7	1.3	-1	0.1	-0.7	1.4
17th	0.6	2	0.4	-1.5	0.7	-2.7	0.3	-1.6	-1.2	-0.1
18th	2.1	-0.6	0.8	1.7	-0.7	4.5	0.2	0.9	0.1	-0.3
19th	1.3	-0.6	0.3	0	-1.6	0.6	0.4	0.7	1.3	-1.3
20th	8.5	0.3	-3.3	1.2	-11.8	6.4	-10.1	5.1	-0.4	0.5

RUN 36   PT 24

V/OR = 0.101   ALFS,U = -10.00   CLRH/S = 0.063968   CTH/S = 0.064861
VKTS = 40.5   MTIP = 0.605   CXRH/S = 0.010740   CP/S = 0.003771

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	158.6		11.9		41		-17.7		22.3	
RMS	44.9		28		31.4		63.4		34.9	
1/2 P-P	80.9		71.7		64.3		122.4		71.6	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-4.7	47.9	-10.6	4.7	-12.6	-17	-51.2	-31.6	-10.5	-8.7
2nd	8.4	5.5	-0.8	-1.6	-5.5	-1.6	-36.4	-2.3	-39.9	4
3rd	-17.8	3.4	-19.2	13.3	-22.5	19.6	-21.7	44.1	-3.7	7.3
4th	-13.4	-20.4	-12.5	-12.5	-10.2	-7.9	6	8.9	20.4	-2.3
5th	-2.9	17	0.8	19.2	0.9	19.3	1.2	-22.4	1.2	-7.7
6th	-12.8	-4.3	-10.3	-0.7	-6.9	0.9	5.9	-2	-7.3	2.8
7th	-2.6	-1.6	-1.5	-1.3	-0.5	-0.8	-0.6	0.4	-1.3	1.5
8th	-6.7	6.6	-3.3	5.1	-0.7	1.8	-1	0.9	1.4	-0.4
9th	-3.7	2.2	-1.2	2	0.3	0.6	-0.5	0.7	0.7	-1.8
10th	-0.2	2.1	0.5	1	0	-0.2	0.7	0.5	-0.7	-0.7
11th	1.8	10.8	3.1	5	-0.7	-1.3	2.1	2.5	-1.4	-1
12th	-1.8	2.1	-0.1	1.5	0.1	-0.2	0	0.5	0	0.4
13th	-1.7	-0.5	-0.9	0.2	-0.1	0.2	-0.4	0.2	-0.1	-0.3
14th	1.1	-2.8	0.1	-0.7	-0.7	1.2	-0.4	1	0.1	-1.9
15th	-0.3	0.4	0.4	0	-0.3	-0.4	-0.3	-0.2	0.5	-0.4
16th	-1.4	-1.6	-0.5	-0.2	0.6	0.3	0.9	0.5	0.1	0.1
17th	-0.2	-1.2	0	-0.4	0.4	0.6	0.2	0.7	0.1	0.3
18th	0.2	0.8	0.1	-0.1	-0.5	-0.1	-0.2	0	-0.6	0
19th	-1	2.6	0	0	-0.9	-1.5	0	-0.3	-0.6	-1.7
20th	-1	-1.1	-0.1	0.1	0.5	0.3	0.1	-0.1	0.5	0.1

RUN 36   PT 24

V/OR = 0.101   ALFS,U = -10.00   CLRH/S = 0.063968   CTH/S = 0.064861
VKTS = 40.5   MTIP = 0.605   CXRH/S = 0.010740   CP/S = 0.003771

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	22.5		712.4		285.5		1257.9		-125.4	
RMS	325.3		244.9		244.9		193.2		126.5	
1/2 P-P	563.1		506		523		426.4		239.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-4.6	445.3	18.2	324.2	49.1	303.4	61.5	202.3	18.8	164.6
2nd	1.3	19.7	4.4	9.6	23.4	3.4	26.7	-9	40.8	15.4
3rd	21	-107.2	-1.3	-99.1	3.1	-120.1	-8.6	-103.2	7.4	-26.6
4th	-13.1	3.4	-7.1	37.9	-7.1	51.5	-11.4	52.7	-18	-33.6
5th	-9.6	-13.8	1.3	44.6	2.7	80.2	16	114.7	-15.9	9.5
6th	8.1	-15	8.4	10.2	3.9	28	-7.8	36	0.9	10.6
7th	-10.9	5.9	-1.8	6.6	3.2	4	6	-1.6	-1.9	1.5
8th	4.7	-1.3	7.2	-4	5.7	0.3	-0.5	6.8	2.3	-2
9th	-8.9	4.9	-1	1.6	3.3	-0.4	7.1	-1.5	0.2	-2.5
10th	-9.4	7.8	-6.2	5.1	-0.6	1.6	6.6	-4.6	-1.2	-0.9
11th	0.3	-12.7	-8.5	-19	-0.2	-2.9	5.3	11.6	-1.8	1.4
12th	-2.8	-0.7	-4.4	-2.3	-2.5	1	1.1	0.7	1	0.7
13th	0.5	-0.7	0.6	-1.2	0.3	-0.7	-1.2	0.1	1.6	1.7
14th	0.5	0	-0.5	2.1	1.4	-1.9	-0.5	0.6	1.8	-1.9
15th	-0.4	0.3	-3.1	-2.3	-2.3	-2.5	0.3	-0.6	-2.2	0.1
16th	-0.2	1.1	1.5	-0.3	-1.1	-2.5	0.7	0.4	0.9	-0.3
17th	-0.7	1.6	1.2	0.8	1.1	-2.8	1	0.3	0.9	-0.9
18th	0.8	2	-0.3	-0.4	1	-0.9	-0.7	-0.6	0.5	0.2
19th	0.9	-1.8	0.5	-0.6	3.2	5.8	0.1	-1.4	-0.2	1.1
20th	5.6	5.8	-1.6	-0.3	-12.5	-3	-6.8	-2.6	0.5	-0.4

RUN 36　　PT 25

V/OR = 0.091	ALFS,U = -10.00	CLRH/S = 0.064554	CTH/S = 0.065454
VKTS = 36.6	MTIP = 0.605	CXRH/S = 0.010831	CP/S = 0.003830

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	158.7		12.1		40.7		-9.6		27.2	
RMS	44.7		27.5		31.3		65.8		37.1	
1/2 P-P	78.5		71.6		67.8		121.4		73.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-7	49.9	-13.6	6.9	-17.1	-14.2	-61	-27	-12.2	-7.8
2nd	7.8	6	-1	-1.6	-5.4	-1.6	-35	-4.2	-43.3	4.9
3rd	-18	3.9	-19.7	14.1	-22.6	21	-21.1	44.5	-3.4	7.6
4th	-13.6	-19.5	-12.7	-11.3	-10.1	-6.4	6	7.9	20.4	-4.2
5th	-3.6	13.8	-0.9	16.6	-0.6	17.2	3.3	-19.7	2.2	-8.2
6th	-9.6	-3.4	-8	-0.2	-5.7	1.3	4.8	-2.6	-5.4	3.5
7th	-5.4	-0.9	-3.4	-0.1	-1.3	-0.2	-0.2	-0.3	-1.8	3.1
8th	-2.9	5.4	-0.8	3.5	0.4	0.6	0	0.8	0.5	-0.4
9th	-2.5	4	-0.2	3	1	0.8	-0.3	1.5	0.3	-2.3
10th	-2.5	2.2	-0.7	1.4	0	0.1	-0.3	0.6	0.6	-1.3
11th	5.7	5.8	4	1.6	-1.5	-0.5	2.6	0.5	-1.3	0.7
12th	-1.4	3	0.2	1.6	0	-0.6	0.3	0.6	-0.2	0.7
13th	-2	-0.8	-0.7	0.3	0.2	0.1	0	0.6	-0.8	-0.3
14th	1	-2.8	-0.2	-0.7	-0.5	1.4	-0.5	1.4	0	-2.2
15th	0.1	0.1	0.5	-0.2	-0.5	0.2	-0.4	0.1	0.8	-0.7
16th	-2.7	-0.4	-0.5	0.4	1	-0.3	1.1	-0.3	0	0.5
17th	-0.8	-0.1	0.1	0	0.4	-0.2	0.1	0.2	0.2	0.3
18th	0.2	0.4	0.2	-0.1	-0.3	0	-0.3	0.1	-0.4	0.1
19th	0.4	1.8	-0.1	-0.1	-0.9	-0.4	-0.1	0	-1.1	-0.8
20th	-1.5	-0.4	-0.1	0	0.7	-0.3	0.2	0.2	0.7	-0.3

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RUN 36   PT 25

V/OR = 0.091	ALFS,U =-10.00	CLRH/S = 0.064554	CTH/S = 0.065454	
VKTS = 36.6	MTIP = 0.605	CXRH/S = 0.010831	CP/S = 0.003830	

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	24.5		711.2		281.9		1249.4		-129.6	
RMS	322.3		241.4		241.8		192.5		126.9	
1/2 P-P	559.1		499.6		524.1		437.7		248.5	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-15	440.1	15.5	317.9	56.7	293.7	72.5	193.1	14.8	164.7
2nd	0.8	20.1	4.1	10	23	4.3	24.9	-6.8	44.3	14.8
3rd	27.4	-108.9	3.8	-102.3	8.3	-123.9	-6.4	-105.8	7.8	-25.6
4th	-12	1.2	-7	35.8	-8.3	49.4	-12.4	52.6	-18.7	-35.4
5th	-7.8	-10.7	-1.7	50.2	-3.7	87.7	7	120.8	-13.1	8.7
6th	10.9	-14.2	4.1	9.2	-4.6	25.9	-15.4	33.4	1.9	9.7
7th	-13.1	4.3	-0.6	5.4	6	4.3	8.2	0.1	-2.5	1
8th	4.2	0.1	4.6	-2	4.1	2	1.1	5.4	2.2	-2.4
9th	-10.2	4.2	-3.2	0.4	2.1	-1.3	8.4	-1.2	1.5	-4.2
10th	-11.9	2.7	-7.1	1.4	-1.6	0.4	6.9	-1.7	-1.3	0.2
11th	-2.6	-6.5	-11.1	-7.7	-0.5	-0.6	7.3	4.3	-0.7	2
12th	-3	-1.5	-5.4	-3.3	-2.5	1	1.8	1.4	0.3	0.5
13th	2.2	-0.4	3.8	-1.3	2.1	-1.2	-1.6	0.6	2.3	1
14th	0.7	-0.2	-0.8	1.7	0.6	-3.1	-0.9	0.9	3.5	-2.2
15th	-0.3	0.1	-0.9	-2.4	0.4	-3.6	0.5	-0.1	-1.7	0.1
16th	-0.3	0.4	2.1	-1.3	-0.8	-0.5	1.4	-0.2	0.8	0.3
17th	-1.2	1.1	1.4	-0.7	1.6	-1.9	1.3	-0.3	0.5	-1
18th	-0.1	1.5	0.5	0.1	1.9	-0.5	0.3	-0.1	-0.2	-0.3
19th	1.9	-0.9	-1.2	0.2	0.8	3.8	-2.5	0.3	0	0.8
20th	0.8	6.3	0.5	-2	-6.8	-8.1	-1.6	-6.8	-0.8	-0.4

RUN 36   PT 26

V/OR = 0.081   ALFS,U = -10.00   CLRH/S = 0.064161   CTH/S = 0.065056
VKTS = 32.6   MTIP = 0.605   CXRH/S = 0.010770   CP/S = 0.003843

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	157		11		41.1		0.5		33.6	
RMS	44		25.3		29		67.5		39.1	
1/2 P-P	73		63.3		63.4		117.1		74.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-9.6	52.3	-16.4	9.3	-19.4	-11.4	-71.3	-22.3	-13.9	-7.7
2nd	7.7	6	-1.1	-1.3	-5.1	-2.1	-32.5	-5.7	-46.4	5.7
3rd	-16.1	4.2	-17.9	14.4	-21.3	20.7	-20.4	42	-3.8	8.5
4th	-11.8	-17.5	-11.2	-9.4	-9.3	-5.4	6	6.3	19.3	-5.6
5th	-2.2	4	-1.6	8.1	-1.4	10	3.6	-12.2	3.7	-7.6
6th	-6.9	-1.5	-5.9	1.3	-4.7	1.9	4	-3.1	-3.4	3.6
7th	-9.4	-1.5	-6.5	0.4	-3.4	0.1	0.4	-0.9	-3.3	4.2
8th	-0.6	3.6	0.5	2.2	0.2	0.2	0.4	0.8	-0.3	-0.3
9th	-1.8	3.5	0.2	2.6	1.1	0.7	-0.3	1.3	0.3	-2.4
10th	-2.6	1.4	-0.7	1.1	0.6	0.3	-0.4	0.4	0.9	-1
11th	4.4	2.5	2.6	0.3	-1.3	0.1	1.6	-0.1	-0.7	0.7
12th	0.4	1	0.6	0.4	-0.6	-0.1	0.3	0.1	-0.1	0.3
13th	-1.3	-0.5	-0.4	0.6	0.1	0.3	0	0.6	-0.2	-0.5
14th	0.1	-1.4	-0.3	0.4	-0.2	1.1	-0.2	0.9	0	-0.6
15th	0.4	-0.9	0.1	-0.3	-0.4	0.6	-0.2	0.7	0.1	-0.4
16th	-0.5	2.7	0.4	0.7	-0.2	-1.2	-0.6	-1.2	0.4	0.3
17th	-1.3	0.6	0.1	0.1	0.7	-0.9	0.2	-0.4	0.6	-0.3
18th	-0.6	-0.2	0.4	-0.3	0.7	0	-0.2	0.2	1	0.1
19th	1.3	-0.4	-0.1	-0.1	-0.6	0.9	-0.1	0.2	-0.9	1.1
20th	-1.9	0.3	0.2	-0.2	0.9	-0.6	-0.4	0.4	0.5	-0.6

D-447

RUN 36   PT 26

V/OR = 0.081   ALFS,U = -10.00   CLRH/S = 0.064161   CTH/S = 0.065056
VKTS = 32.6   MTIP = 0.605   CXRH/S = 0.010770   CP/S = 0.003843

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	23.6		708.3		277.1		1239.3		-135.7	
RMS	318.5		240.8		246.2		202.1		125.1	
1/2 P-P	575.3		518.5		563.8		463.1		238.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-26.1	434.2	12	311	62	283.9	81.4	183.1	9	163
2nd	1.8	14.8	4.4	5.6	21.5	1.8	22.4	-6.5	46.7	12.9
3rd	32.6	-108.4	8.4	-102.6	10.4	-123.2	-4.6	-104.3	7.5	-24.4
4th	-5.9	1.7	-2.5	34.3	-4.1	47.6	-7.5	51.2	-16	-34.5
5th	-1.9	4.7	6.1	81.3	4.7	132.5	12	159	-6.1	7.8
6th	14.3	-12.3	0.5	5.7	-11.5	18.8	-22.9	26.5	1.8	6.6
7th	-10.9	2	2.2	3.9	8.2	3.7	5.7	2.3	-0.6	3
8th	6.3	0.7	3.6	-1.1	1.8	1	-0.9	2.6	2.4	0.1
9th	-11.9	3.8	-4.9	0.6	1.3	-0.6	9.5	-1	1.9	-3.3
10th	-10	-0.4	-5.7	-0.1	-1.5	0.7	5.3	0.7	-0.9	-0.7
11th	-0.1	-8.1	-6.7	-7.5	0.7	-2.3	4.3	3.8	0	1.8
12th	1.2	-4.7	-1.8	-6.5	0.3	-2.9	0.7	2.4	-0.6	-0.8
13th	2.3	2.6	6.8	4.3	4.3	3.5	-2	-0.3	1.5	-0.3
14th	0.6	-1	0.5	0.8	0.6	-0.4	-0.8	1.6	3.6	-0.5
15th	0.1	-0.6	1.3	-1.5	2.2	-3.5	0	0.5	-1.6	0.4
16th	-0.1	-0.4	1.5	-1.9	3.2	3	0.7	-0.8	-1.9	-0.2
17th	-1.3	0.5	0.9	-1	1.4	0.2	1.5	-1.1	0.6	-0.9
18th	-1.8	0.3	1.5	1.7	3.2	1.7	3.1	1.1	0.1	-0.9
19th	2.4	1.4	-2.1	0.7	-2.5	-1.1	-4	1.5	2	-0.2
20th	-7.7	2.4	3.1	-2	8	-8.5	9.3	-7.7	-1.7	-0.5

D-448

RUN 36   PT 27

V/OR = 0.071   ALFS,U = -10.00   CLRH/S = 0.063874   CTH/S = 0.064757
VKTS = 28.6   MTIP = 0.604   CXRH/S = 0.010669   CP/S = 0.003882

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	156		10.6		42.6		11.3		41	
RMS	45.4		26		27		69.3		41.4	
1/2 P-P	80.4		59.6		56.3		115		79.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-15	53.1	-20.2	11.1	-22.2	-8.1	-79.8	-19.1	-16.7	-9.4
2nd	7.3	6.7	-0.5	-0.2	-3.5	-2	-30	-6.4	-48.7	4.8
3rd	-13.9	6	-15.4	15.1	-18.1	20	-19.6	37.7	-4.9	9.5
4th	-9.3	-14.9	-9	-8.1	-8.1	-4.9	5.6	6.2	18.5	-4.9
5th	2.3	-8.8	-0.8	-4	-2	-0.3	3.1	-1.9	6.7	-5.6
6th	-5.7	-1.3	-5.3	0.5	-4.2	0.8	4	-2	-2.8	2.8
7th	-13.1	-4.9	-10	-1.6	-5.3	0.1	1.5	-1.2	-7	3.9
8th	1.3	-1	0.9	-1.3	0.1	-1.4	0.5	-0.3	-0.4	-0.3
9th	-4	3.2	-1.2	3.1	1.2	1.1	-1.3	1.2	1.9	-2
10th	-4.1	2	-1.5	2.2	0.5	1.3	-1	1.4	1.2	-1.6
11th	2.6	8.9	2.8	4.3	-1.7	-0.1	2.1	2.5	-1.8	-1.5
12th	-0.1	4.7	1.3	2.2	-0.3	-1	1	0.6	-0.4	0.1
13th	0.4	1.4	-0.2	0.9	-0.7	0.1	-0.5	0.7	1	0.4
14th	1	-1.5	-0.6	-0.3	-0.4	1.1	-0.5	1	-0.2	-0.7
15th	2.8	-1.6	0.1	-1.2	-0.9	1.1	-1.1	1.3	0.1	-2
16th	-0.6	1.3	0.2	0.2	0.1	-0.4	-0.3	-0.7	0.6	-0.3
17th	-1.2	-0.9	0	0	0.3	0.2	0.6	0.1	1	0.5
18th	-0.3	-0.7	0.4	0	0.5	-0.1	-0.1	0.1	0.7	0.9
19th	1	-0.3	0	0.1	-0.3	0.5	-0.1	-0.1	-0.9	0.5
20th	0.2	0.6	0.1	0.1	-0.4	0	-0.2	0	-0.6	-0.3

D-449

RUN 36 PT 27

V/OR = 0.071 ALFS,U =-10.00 CLRH/S = 0.063874 CTH/S = 0.064757
VKTS = 28.6 MTIP = 0.604 CXRH/S = 0.010669 CP/S = 0.003882

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	23.6		706		270.1		1228		-144.3	
RMS	317.1		246.4		258.5		217.8		124.6	
1/2 P-P	598.4		560.5		611.3		492.3		232.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-33.4	433.3	12.2	307.9	67	276.9	89.6	176.6	4.3	163.5
2nd	6.3	7.3	6.4	-0.7	19.9	-2.2	19.8	-7.5	48.9	14.4
3rd	38.3	-95.8	13.5	-92.6	13.4	-111.9	-1.9	-94.1	7.1	-18.8
4th	-2.9	6	-1.5	34.4	-2.8	47.3	-6.6	49.8	-12.5	-30.7
5th	-1.9	25.5	-6.9	122	-18.5	188.2	-16.4	205.2	1.7	6.7
6th	13.3	-3.7	0.6	3.6	-9.8	9.2	-20.2	12.2	-0.4	6.6
7th	-7.2	1.1	4.9	5.6	7.8	6.6	-2.3	3.2	-1.6	3.1
8th	4.6	4.1	3.2	3.7	2	2.5	0.3	-2.4	1.6	0.1
9th	-15.6	-4	-6.7	-2.7	1.2	-1.3	10.4	4	2.1	-3.3
10th	-3.9	-8.5	-1.5	-7.1	-1.2	-2.3	1.3	6.2	0.1	-0.8
11th	14.5	-12.9	5.3	-20	5.7	-4.9	-2.5	11.4	0	1.2
12th	10.8	1.3	11.2	-5.2	8.4	0.6	-3.3	2.4	-2	1.2
13th	-7.1	8.1	-9.6	18.6	-6.1	15	2.2	-4.1	1.6	1.7
14th	0.4	0	-2.1	3.1	-1.3	-0.2	-0.9	0.5	2	0.9
15th	0.2	0.4	-3.4	0.6	-1.1	-5	-1.6	0	1.3	-0.3
16th	0.2	0.5	0.3	2.3	0.9	4.8	0.2	0.4	-0.6	-0.9
17th	-3.5	0	2.5	-0.1	3.5	-1	3.1	0.1	1	-0.8
18th	-2	-0.5	-0.6	1.2	0.8	0.6	1.5	1.3	0.2	-2.2
19th	-0.7	-1	0.4	-0.4	3.4	-1.2	0.6	1.2	-0.4	1.5
20th	-6.9	-9	2.4	1.1	17.5	6.2	10.3	5.2	-0.9	0.2

D-450

RUN 36   PT 28

V/OR = 0.061   ALFS,U = -10.00   CLRH/S = 0.063910   CTH/S = 0.064791
VKTS = 24.3   MTIP = 0.604   CXRH/S = 0.010666   CP/S = 0.003958

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	155.3		10.7		43.8		23.5		47.3	
RMS	47.1		26.4		25		69.8		38.4	
1/2 P-P	83.4		60.3		49.7		113.8		72.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-19.9	55.2	-22.9	13.2	-23.7	-6.5	-85.1	-16.5	-19.9	-6.3
2nd	5.3	7.1	-0.9	0.6	-2.5	-0.7	-29.9	-7.4	-44.9	4.4
3rd	-11.6	4.4	-13	11.9	-15.1	16	-19	28.3	-6.7	5.1
4th	-7.9	-10.7	-7.9	-5.6	-7.3	-3.2	4.9	4.7	14.1	-4.6
5th	6.9	-11.4	1.7	-8.1	-0.3	-4.5	0.7	2.7	8.9	1.5
6th	-5.9	-1.4	-5.8	0.2	-4.4	0.4	4.6	-1	-1.2	1.3
7th	-14.6	-6.6	-11.3	-2.5	-5.4	-0.1	1.6	-1.5	-8.4	1.6
8th	-0.5	-5.5	-0.7	-3.8	-0.3	-1.7	0	-1.3	-1.1	0.6
9th	-2.6	0.8	-0.9	1.7	1	1.7	-0.7	0.5	1.4	-0.7
10th	-3.6	1.2	-1.7	2	0.2	1.6	-1.1	1.4	1.4	-2.4
11th	-5.3	1.5	-3	1.9	-0.8	0.7	-1.6	1.5	1.2	-1.2
12th	-2.9	2.4	-0.7	1.9	0.4	-0.7	0.1	0.9	-0.2	0.4
13th	-0.9	3.3	-0.4	1.6	-0.5	-0.5	-0.6	0.1	0.3	1.1
14th	1.1	0.2	0.2	-0.1	-0.4	0.2	-0.6	0.1	0.5	0
15th	4	-1.7	0.7	-1.6	-1.5	1.2	-1.5	1.3	1.2	-2.2
16th	2.8	2	1.2	-0.1	-1.2	-0.1	-1.9	-0.3	1.2	-0.2
17th	0	-1.1	0.3	0.2	-0.1	0.4	0.1	0.3	0.8	0.7
18th	-0.9	-2.1	-0.1	0	1.4	0.7	0.5	0.2	1	0.8
19th	1.1	-0.3	-0.3	0.2	0.1	0.5	0	-0.2	-0.8	0.6
20th	-3.4	1.3	0.5	0.2	1.5	-1.2	-0.8	0.1	1.2	-1.5

RUN 36   PT 28

V/OR = 0.061 ALFS,U = -10.00 CLRH/S = 0.063910 CTH/S = 0.064791
VKTS = 24.3   MTIP = 0.604   CXRH/S = 0.010666 CP/S = 0.003958

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	22.6		701.1		260.9		1208.7		-154.6	
RMS	315.7		240.9		247.1		204.5		120.2	
1/2 P-P	591		564.4		604.7		467.1		215.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-56.8	431.8	-1	304.5	58	271	87	171.2	0.6	160.1
2nd	5.2	2.1	4.7	-4.5	14.4	-3.5	14	-7.1	45.3	14.4
3rd	42.2	-77.5	20.1	-77.3	18.8	-93.3	5.1	-78.8	4.5	-12.4
4th	-4.2	4.9	-8.5	25.3	-12.4	32.4	-15.7	35	-8.6	-24
5th	-3	29.8	-24.8	118	-47.4	176.9	-48.2	188.3	9	7.7
6th	11.7	-1.2	4.5	-1.3	-1.6	-2.1	-10.4	-0.8	1.2	2
7th	-8.4	-4.2	6	4.3	9.2	7.7	-0.6	6	-3.4	-0.3
8th	3	0.6	3.9	4.9	1.9	3.7	0	-1.5	1.2	1.1
9th	-14.2	-10.9	-7.6	-5.8	0.9	-2	10.4	7.2	1.8	-0.3
10th	3.7	-9.4	3.2	-9.1	0.1	4	-2.6	7.3	0.9	-0.8
11th	20.7	-0.4	21	-7.4	7.2	-2.4	-13.1	3.3	0.2	-0.4
12th	3.2	9	7.5	6.4	2.9	6.9	-2.6	-1.4	-0.7	0.8
13th	-10.5	5.1	-17.1	11.6	-12.6	12.4	4.2	-2.4	0.8	1.4
14th	-0.2	0.4	-2.7	0.4	-0.8	-0.1	-0.1	-0.1	1	0.7
15th	-0.2	0.7	-3.5	-2.2	1.7	-8.3	-1.4	-0.5	0.9	0.5
16th	-0.8	-0.4	-4.1	3.6	1.5	5.3	-1.4	0.4	-0.3	0.3
17th	-3.9	-2.3	2.6	1.5	5.5	1.1	3	1.7	1.7	0.1
18th	-1.3	-1.5	1.9	1.1	0.9	-0.4	2.9	2	-0.2	-0.9
19th	0.2	-3	1.7	0.8	5.1	1.6	1.5	2.6	1.2	-0.9
20th	-0.1	-9.2	2.7	1.6	7.5	15.3	8.7	5.5	-0.9	-1.8

D-452

RUN 36　　PT 29

V/OR = 0.051
VKTS = 20.5

ALFS,U = -10.00
MTIP = 0.605

CLRH/S = 0.064472
CXRH/S = 0.010847

CTH/S = 0.065376
CP/S = 0.004100

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	157.8		12.7		46.6		35.6		54.9	
RMS	47.3		25.5		22.9		70.1		36.8	
1/2 P-P	88.3		55.3		46.8		115.8		69.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-21.3	56.6	-23.2	15.1	-23.5	-4.6	-87.8	-14.9	-21.7	-3.6
2nd	4	7.1	-1.2	1.9	-3.1	0	-30.6	-6.7	-42	3.7
3rd	-7.5	3.4	-9.7	9.7	-12.2	12.8	-18.5	21.2	-9.6	3.2
4th	-7.3	-8.7	-7.5	-4.4	-7.8	-2	5.1	4.1	12.7	-3
5th	6.9	-12.2	0.9	-9.7	-1.6	-6	2.4	5.7	9.1	-1.5
6th	-2.9	-0.5	-3.3	0	-2.4	0.6	3	-0.5	-0.8	0.2
7th	-12.8	-4	-9.2	-0.7	-4.7	0.9	0.7	-1.4	-6.4	2.9
8th	0.7	-8	-0.4	-5.3	-0.4	-1.9	0.6	-1.8	-0.5	0.1
9th	-2.2	0.1	-0.8	1.7	1.1	1.5	-0.8	0.4	0.3	-0.7
10th	-3.1	2.8	-1.3	2.9	0.3	1.2	-0.9	2.1	0.9	-2.1
11th	-6.2	4.2	-3.2	3.2	-0.6	-0.1	-1.7	2.2	1.6	-1.8
12th	-0.5	4.3	0.8	1.9	-0.4	-0.9	0.5	0.6	-0.3	0.3
13th	0	3.3	0.4	0.7	-0.6	-1.1	-0.4	-0.7	0.4	1.4
14th	-0.6	-2	-0.5	-0.5	0.3	0.9	0.4	0.6	-0.9	-0.8
15th	1.4	-5	-0.5	-2.3	-0.2	1.9	0	2.2	-0.4	-2.7
16th	0.7	-0.5	0.3	-0.2	-0.4	0.2	-0.4	0.3	0.5	-0.2
17th	-0.9	-1.3	-0.2	0.6	0.1	0.2	0.6	-0.2	0.4	0.7
18th	-1.3	-0.6	-0.3	0.3	0.9	-0.4	0.4	-0.3	0.2	0.3
19th	2.8	1.1	-0.3	0	-1.4	0.1	-0.1	0.1	-1.8	0.5
20th	-2	2.3	0.6	-0.1	0.3	-1.3	-0.4	0.2	0.1	-1.7

D-453

RUN 36   PT 29

V/OR = 0.051
VKTS = 20.5

ALFS,U = -10.00
MTIP = 0.605

CLRH/S = 0.064472
CXRH/S = 0.010847

CTH/S = 0.065376
CP/S = 0.004100

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	24.8		700.1		250.1		1197.8		-167.5	
RMS	314.7		234.8		234.5		191		117	
1/2 P-P	571.6		554.3		552		420.3		202.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-87.3	428.1	-22	301.1	41.2	265.9	75.8	167.4	-1.8	157.4
2nd	5.2	-3	4	-9.7	11.9	-9.9	13.7	-10.2	40.1	13.7
3rd	45.5	-58.9	24	-61.7	20.7	-74.7	7.8	-63.2	7.7	-6.6
4th	-5.4	2.1	-13.9	19.2	-19.6	25.8	-24	27.8	-4.5	-22.8
5th	-7.8	26	-48.8	100.8	-82.2	149.3	-89	156.5	8.8	3.7
6th	8.3	0.4	1.3	-2.5	-3	-5.5	-8.7	-6	1	1.1
7th	-10.6	-10.2	4.6	0	11.3	6.4	5.5	9.8	-3.7	0.2
8th	2.8	-1.2	2.5	5.6	0.6	4.2	-0.9	-2.6	1.6	0.5
9th	-9.4	-17.6	-5.9	-9.7	0.6	-2.3	7.4	10.9	0.8	-1
10th	6.9	-6.1	5.6	-8.2	1.1	-3.5	-4.2	6.8	-0.1	0.4
11th	14.6	6.2	17.9	-2.8	5.8	1.3	-10.9	1.5	0.9	-0.9
12th	-5.5	3.6	-6	2.1	-2.6	4.9	3.5	0	-2.1	-0.4
13th	-10.2	-3.6	-22	-3.6	-15	0.1	5.6	0.5	0.3	1.7
14th	0.1	0	0.1	-0.5	-1.5	-3.8	0	0.6	1.3	0.2
15th	-0.1	0.4	2.5	-1.4	1.9	-10.7	-0.2	-0.8	1.4	1.5
16th	0.2	-1.2	-2.4	3.3	-1.7	3.2	-0.8	0.9	0.7	0.3
17th	-0.2	-3.9	2.1	1.2	1.5	4.2	2.2	2.6	0.5	-0.7
18th	1.3	-2.3	1.4	0.8	-0.8	3.7	1.8	1.6	-0.2	-0.2
19th	3.8	-2.1	-0.7	2.8	2.4	5.7	-4.5	4.8	0.1	-0.4
20th	4.7	-4.3	-0.5	0.9	-1.5	13	-1.1	3.7	-0.1	-1.3

D-454

RUN 36   PT 30

V/OR = 0.042   ALFS,U = -10.00   CLRH/S = 0.063953   CTH/S = 0.064864
VKTS = 16.7   MTIP = 0.604   CXRH/S = 0.010838   CP/S = 0.004141

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	156.6		13.4		48.8		46.2		61.7	
RMS	46.1		24.2		19.7		67.3		34.1	
1/2 P-P	99.2		55.2		37.4		114.2		69.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-24.8	55.6	-23.3	16	-21.5	-2.4	-86.5	-12.9	-20.2	-3
2nd	2.3	6.4	-1	2.3	-2.2	0.4	-26.6	-6.8	-39.7	2.3
3rd	-2.2	2	-6	6.7	-8.4	8.8	-16.2	15.2	-9.6	3.3
4th	-3.4	-5.4	-4.6	-2.8	-5.1	-1.5	3.5	3.3	10.6	-2.2
5th	6.5	-12.3	0.6	-11.6	-2.1	-8.8	2.5	8.7	7.4	-0.8
6th	-2.1	-0.5	-2.5	-0.4	-1.8	0.1	2.6	-0.1	-0.3	0.5
7th	-10.2	-3.5	-7.5	-0.1	-3.8	1.6	1.1	-1.7	-5.2	2.7
8th	-1.4	-4.4	-1.3	-2.3	-0.7	-0.1	0.1	-1.2	-1.2	0.6
9th	-2.2	1.5	-0.6	2.7	1	1.6	-0.7	0.8	0.6	-0.7
10th	-2.3	2.6	-0.7	2.9	0.3	1.2	-0.4	2.1	0.7	-2
11th	4.1	3.8	2.7	1.1	-1.3	-0.1	1.8	0.7	-0.9	-0.3
12th	0.6	4.6	1.5	1.8	-0.4	-1	0.8	0.3	-0.6	0.6
13th	0.4	0.6	0.3	-0.6	0	-0.5	-0.2	-0.7	-0.3	0.7
14th	-0.7	-3.2	-0.8	-1.4	0.6	1.2	0.4	0.6	-0.9	-1.3
15th	-0.7	-5.9	-0.7	-1.9	0.9	1.9	1.3	2	-0.9	-2.2
16th	-3.9	-1.7	-1.5	0.2	1.8	-0.1	2.2	-0.3	-1.1	0.3
17th	-0.8	-0.9	-0.4	0.5	0.4	0.1	0.5	-0.2	-0.2	0.7
18th	0.5	0.8	0	0.1	-0.6	-0.6	-0.2	-0.1	-0.7	-0.1
19th	0.4	2.5	0.2	-0.1	-0.6	-1.3	-0.3	0	-0.7	-1.2
20th	1.7	0	0	-0.1	-0.9	0.8	0.1	-0.1	-0.8	0.3

RUN 36   PT 30

V/OR = 0.042	ALFS,U =-10.00	CLRH/S = 0.063953	CTH/S = 0.064864
VKTS = 16.7	MTIP = 0.604	CXRH/S = 0.010838	CP/S = 0.004141

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	20.6		693.3		236.6		1178.5		-178.3	
RMS	308.1		224.2		214.7		170.3		109.5	
1/2 P-P	538.4		488.6		505.6		373.7		184.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-123.1	410.8	-48.9	288.8	16	251.9	58.5	158.4	-8.2	148.5
2nd	-0.8	-7	-0.9	-11.9	4.6	-11.3	8	-10.2	33.5	10
3rd	55.1	-38	34.2	-43.3	29.6	-53.1	17.2	-46.2	14.3	-0.8
4th	-2.3	1.4	-10.5	14	-14.5	19.4	-18.3	21.1	-0.2	-16.4
5th	-11.3	27.2	-57.8	83.3	-94.8	118.6	-104.8	118.9	7.5	4.2
6th	6.3	3.4	2	-2.2	-0.2	-7.3	-4.4	-9.5	0.6	1.9
7th	-9.1	-14.8	3.1	-2.1	9.8	5.4	6.3	12.8	-2.5	-0.8
8th	-0.1	-0.3	1.5	3.2	-0.5	0.9	-0.5	-1.8	0.9	-1.2
9th	-4.4	-18.3	-3.7	-11.5	0	-2.8	4.3	12.1	2.3	-0.6
10th	5.3	-4.5	4.1	-6.6	1	-2.7	-3.4	5.6	-0.1	1.5
11th	-0.3	2.4	-4.3	0.2	1.5	1.2	4.1	0.1	-0.6	1.4
12th	-2.9	-0.4	-5.4	-3	-1.1	1.9	3.1	2.2	-3.2	-1
13th	-6.9	-5.7	-17	-7.7	-11.6	-5.6	4.6	1.1	-1	2.6
14th	-0.1	0.6	-0.1	-0.2	-2.3	-5.3	-0.1	-0.6	1.3	-0.4
15th	-0.5	0.9	5.7	-0.2	1.2	-8.9	1.3	0.3	1.1	1
16th	0.8	0.3	-1.4	-1	-9.4	-0.8	-0.1	-0.1	0.7	0.5
17th	0.8	-3.1	1.2	1.6	-0.4	3.8	0.8	2.5	-0.4	-1.6
18th	1.9	-0.1	-2.5	-0.5	-3.1	1.3	-2.4	-0.5	-0.1	-0.7
19th	1.3	-2.2	-0.6	1.4	3.3	7.1	-1.8	1.2	-0.8	-0.3
20th	5.9	2	-3.4	0.7	-8.6	-0.4	-9.6	1.9	-0.3	0.2

D-456

RUN 36   PT 31

V/OR = 0.031   ALFS,U = -10.00   CLRH/S = 0.064273   CTH/S = 0.065191
VKTS = 12.3   MTIP = 0.605   CXRH/S = 0.010907   CP/S = 0.004320

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	158.9		15.8		51		47.3		71.8	
RMS	40.3		20.7		14.8		56.3		30.8	
1/2 P-P	92.3		51.1		32.9		89.6		60.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-28.3	46	-22.2	14	-18.6	-1.4	-76.1	-12.2	-24.1	-2.8
2nd	1.3	4.2	0.4	1.7	0.1	0.1	-14.4	-3.9	-33.7	2.4
3rd	2.8	4.8	-1.5	4.5	-4.1	4.6	-8.8	6.2	-2.9	0.7
4th	-1	-3.5	-2.7	-2.4	-3.9	-1.2	3.5	2.9	10.6	-2.3
5th	3.5	-3.1	1	-3.2	-0.9	-2.6	0.9	2.5	2.3	0.3
6th	-4.3	1	-4.1	1.7	-2.6	1.2	3.1	-1.5	-3.6	2.2
7th	-2.7	-2.6	-2.1	-0.8	-0.6	0.6	0.1	-0.7	-1.3	0.2
8th	-5.3	8.5	-2.1	7.3	-0.9	3.2	-1.3	1.8	0.9	0.8
9th	1.1	0	0.3	0.4	-0.2	0.1	0.4	0	0	0.3
10th	4.7	-3.3	2.1	-2.4	0.1	0	1.4	-1.7	-1.4	1.6
11th	-5.7	-4.5	-3.8	-1.6	0.2	0.3	-2.4	-0.8	1.6	0.5
12th	0.7	-3.3	-0.6	-1.3	-0.3	0.7	-0.6	-0.1	0.6	-0.2
13th	-0.9	1.1	0.4	0.6	0.3	0.1	0.4	-0.2	-0.2	0.4
14th	-2.2	1.3	0.1	0.6	0.8	-0.3	0.8	-0.7	-0.8	0.7
15th	3.3	-0.2	0.8	-0.6	-1.4	0.4	-1.4	0.8	1.2	-0.7
16th	1.3	1.2	0.6	0	-0.6	-0.5	-0.9	-0.2	0.6	-0.1
17th	0	-0.8	-0.3	-0.3	0.1	0.5	0.3	0.5	-0.1	-0.1
18th	-0.3	-0.3	-0.3	-0.1	0.2	0.3	0.3	0.2	-0.2	0.2
19th	-0.7	0.9	0.2	-0.2	0.2	-0.7	-0.1	0.1	0.4	-0.9
20th	-1.9	-0.7	-0.2	0.2	1.3	-0.4	-0.2	-0.1	1.1	-0.3

D-457

RUN 36   PT 31

V/OR = 0.031   ALFS,U =-10.00   CLRH/S = 0.064273   CTH/S = 0.065191
VKTS = 12.3   MTIP = 0.605   CXRH/S = 0.010907   CP/S = 0.004320

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	25.7		695.3		234.6		1174		-186.1	
RMS	241.8		167.3		149.5		110		87.3	
1/2 P-P	395.4		328.3		305.5		239.9		149.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-131.4	310.8	-59.1	218.6	-1.8	193.4	40.4	122.6	-9.3	119.2
2nd	-8.4	-11	-8.3	-12.2	-6.6	-10.8	-2.1	-8.8	22.2	6.1
3rd	47.3	8.7	35.2	-0.2	31.4	-5.7	22.6	-7.6	9.7	7.9
4th	2	1.1	-1.5	9.1	-2.2	12.9	-4.7	13.4	1.6	-12
5th	-10.9	6.9	-42.4	23.6	-65.4	32.1	-70.6	32.4	-0.5	3.3
6th	4	1.2	2.8	-0.7	2.6	-2.5	-2.7	-0.2	1	1.8
7th	-7.5	-11	-1.2	-1.9	3.4	3.3	5.5	7.6	-0.8	0.5
8th	0.5	-1.8	2.4	-7.7	0.3	-5.4	-2.9	4.6	-2.7	0.9
9th	7.8	-6.1	3.1	-4.5	0.7	-0.6	-3.5	4.2	0.7	0.3
10th	4.6	-1.4	-0.1	1.9	1.1	-0.2	0.1	-1.4	0.8	-0.7
11th	4	7.2	10	7.3	1.1	2.3	-6.9	-4.9	0.5	1.4
12th	0.5	8.3	3.7	11.1	2.9	3.9	-1.8	-5.1	1.1	-1
13th	0.4	-3.5	0.1	-7	0.2	-3.9	0.4	2.2	-1.9	-2.5
14th	-0.9	-0.3	2.4	-3.8	0.7	-0.9	0.9	0.6	-3.8	1.5
15th	-0.5	-0.4	0.7	2.9	5.6	0.4	-0.9	0.2	1.6	1.2
16th	-0.2	-0.4	-3.9	-3.4	-1	-2.9	-1.2	-1.5	0.5	0.4
17th	-0.1	0.4	-0.1	0.6	-1.3	-1.4	0	0.5	0.3	1.2
18th	1.9	0.6	0.3	-0.7	-2.1	-1	-0.2	-0.5	0.7	-0.5
19th	-2.8	4.3	0.1	-3.5	0.4	-7.9	1.1	-7	-0.1	0.4
20th	3.5	8.5	-1.1	-1.6	-13.3	-6.4	-5.2	-5.9	-0.3	-0.1

D-458

RUN 36   PT 32

V/OR = 0.021   ALFS,U =-10.00   CLRH/S = 0.063848   CTH/S = 0.064771
VKTS = 8.5   MTIP = 0.605   CXRH/S = 0.010902   CP/S = 0.004595

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	159.2		14.8		51.3		34.5		73.1	
RMS	28.1		16.2		11.4		44.9		30.5	
1/2 P-P	62		38.5		30.4		74.7		47.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-18.8	29.3	-16	8.6	-12.1	-1.8	-61.5	-9.8	-41.5	-0.6
2nd	1.2	0.9	0.8	1	0.5	0.7	-1.1	1.2	-8.3	1
3rd	-1	4.4	-3	4.9	-4.6	5.5	-5	7.5	4.9	0
4th	2.2	-0.8	2.1	-1	2	0.1	-1.2	0.5	-0.4	0.2
5th	-0.7	3.4	-0.7	3.2	-1.3	3.4	2.1	-3.1	-1.3	-0.9
6th	-1	0.9	-0.9	0.5	0.2	1	1	-0.4	-0.7	0.2
7th	-2.6	-3	-1.8	-1.6	-0.3	0.4	0.1	-0.2	-0.3	-0.9
8th	-0.7	4.4	0.3	3.5	-0.1	2.3	-0.1	0.7	0	0.8
9th	-1	0.5	-1.2	0.6	-0.5	0.5	-0.5	0.1	0.1	-0.3
10th	-2.1	1.2	-1.1	1.1	0.2	0.1	-0.8	0.8	1	-0.9
11th	-4.9	-2.2	-3.1	-0.4	-0.1	0.4	-1.8	-0.1	1.6	-0.1
12th	0.8	-0.5	0.3	0.2	-0.8	0.3	0	0.2	0.4	-0.3
13th	0.1	-0.2	0.2	-0.1	-0.4	0.8	0.1	0.1	-0.1	0.2
14th	-1.2	0	-0.1	0.4	0.1	0.5	0.5	0	-0.5	0
15th	-0.5	0.6	0	0.4	-0.4	-0.2	0	-0.2	0	0.4
16th	0.1	0.3	0	0.1	-0.4	-0.3	-0.1	-0.1	0	0
17th	0.2	0	0	-0.1	-0.3	0.1	0	0.1	-0.1	-0.1
18th	0.3	0.4	-0.1	0	-0.2	-0.2	0.1	0	-0.3	-0.2
19th	0.02	0.8	0	-0.1	-0.5	-0.4	0	0	-0.4	-0.6
20th	-1.2	0	0	-0.1	0.1	-0.4	0	0	0.3	-0.4

D-459

RUN 36   PT 32

V/OR = 0.021   ALFS,U = -10.00   CLRH/S = 0.063848   CTH/S = 0.064771
VKTS = 8.5   MTIP = 0.605   CXRH/S = 0.010902   CP/S = 0.004595

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	40.4		712.6		253.2		1195.9		-183.4	
RMS	149.1		109.1		106.6		88.4		61.7	
1/2 P-P	275.3		241.8		239.3		203.2		193.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-44.1	198.6	-2.4	140	33.7	126.7	56.4	80.1	12.5	83.9
2nd	-5.2	-17.6	-8.1	-15.1	-11.5	-15.3	-9.8	-11.4	6.2	-1.3
3rd	41.7	2.4	33.7	-4.6	29.9	-9.6	22.2	-9.5	0.5	4
4th	0.1	2	5.3	4.5	7.6	7	10.4	5.5	1.3	-1.7
5th	-8.4	-4.8	-35.8	1.4	-55.2	2.4	-60.6	7.5	-5.7	0.5
6th	1.2	3.3	-1.4	-0.1	-2.8	-4.3	-4.9	-5.7	-0.4	1.2
7th	-8.7	-3.2	-0.6	0.1	5.1	0.2	7.8	-1.4	-1.4	-1.7
8th	1.8	-2	0.7	-3.9	0.1	-2.1	-0.9	3.7	0	-0.3
9th	6.4	-2.5	4.8	-2.8	2.2	-0.3	-3.5	2.7	2.2	-0.1
10th	6.5	-1.1	6.3	-3.4	2.2	-1.5	-4.1	2.2	0.3	-1.3
11th	4	11.2	10.3	9.2	2.1	2.9	-6.2	-6.3	0.2	-0.3
12th	-0.6	1.1	-0.8	0.7	1	0.8	0.5	-0.1	0.5	0.4
13th	-0.8	1.1	-0.7	2.4	0	1.5	0.5	-0.6	-1.8	0.7
14th	0	-0.1	2.9	-1	1.2	-0.7	0.3	0.3	-1.6	0.5
15th	0.4	-0.6	0.7	0.2	0.5	1.4	0.2	0.2	-0.9	-0.7
16th	0.5	-0.1	-0.4	-2.1	0.1	-2	0	-0.8	-1.4	0.4
17th	0.1	-0.3	0.6	0.2	1.2	0.1	-0.1	0.2	-1	-0.3
18th	1.2	0.8	-0.2	-0.8	-0.8	-0.9	-1	-1	-0.5	-1.3
19th	1.1	2.1	-1.9	-1.7	-3.8	-2.4	-2.9	-2.8	0.7	-1
20th	0.5	4.3	0	-2	-5.2	-5.6	-2.2	-5.1	1.1	-0.8

D-460

RUN 36   PT 33

V/OR = 0.006   ALFS,U = -10.00   CLRH/S = 0.063597   CTH/S = 0.064534
VKTS = 2.4   MTIP = 0.605   CXRH/S = 0.010960   CP/S = 0.004871

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	161.7		16.7		51.2		34.4		72.1	
RMS	38.8		29.5		23.2		38		21.1	
1/2 P-P	107.5		84.9		64.5		103.6		66.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	6.7	-13.1	3.8	-7.8	3.3	-3.2	-7.6	-4.2	6.9	-7.2
2nd	0.8	2.2	4	6.5	4.9	9.4	15.8	35	7.7	14.4
3rd	2.6	4.6	6.3	6.1	9.7	7.1	13.7	11.3	0.6	-1.2
4th	-7.6	-13.3	-9.9	-10.9	-9	-10.7	7.8	4.7	-0.1	4.8
5th	6.8	15.3	9	10.8	7.7	7.8	-7.3	-10	-2.4	3.4
6th	1.2	-1.2	0.7	-1.5	2.1	-0.9	-2.2	-2.1	1.7	4.9
7th	4.6	-5.9	2.3	-5.4	2.5	-2.7	0.3	-0.8	2.6	0
8th	8	-6.4	4.6	-6	2.8	-2.3	-0.2	-0.4	1.3	-3.1
9th	4.4	0.3	2.9	-0.9	1	-0.8	1.6	0.3	-2.3	-2.4
10th	6.8	3.1	4.9	0.7	1.2	-0.4	3	1.4	-4	-2.1
11th	-7.6	0.7	-3.7	1.7	1.5	-0.3	-2.1	1.7	0.8	-1.4
12th	-1.6	1.4	-0.4	0.9	0.9	-0.1	-0.4	0.6	0.3	-0.4
13th	2.2	-1	0.7	-0.9	-0.1	0.5	-0.4	-0.4	1.7	0.1
14th	3.5	2.4	1.4	-0.2	-0.7	-1	-1.7	-0.8	2.5	0.9
15th	5	6.1	2.9	0.4	-2.1	-1.9	-3.6	-2	3.7	1.9
16th	-3.1	0.9	-0.4	0.9	1.4	-1	0.8	-1.1	-0.1	1.9
17th	2	-0.6	0.1	-0.2	-0.3	0.3	-0.6	0.8	-0.7	1.6
18th	3.9	2.7	0.7	-0.2	-1.9	-0.5	-1.4	0.4	-1.6	0.1
19th	0.4	1.9	0.1	-0.1	-0.4	-0.6	0	0.2	-0.6	-1.2
20th	-2.1	0.8	0.2	0	1	-1	-0.5	0.2	1	-1.5

D-461

RUN 36 PT 33

V/OR = 0.006 ALFS,U = -10.00 CLRH/S = 0.063597 CTH/S = 0.064534
VKTS = 2.4 MTIP = 0.605 CXRH/S = 0.010960 CP/S = 0.004871

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	56.3		727.8		296.1		1214.8		-190.5	
RMS	60		74.6		89.9		86.7		34.6	
1/2 P-P	152		198.2		236.8		226.7		93.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-2.7	-12.3	-0.6	8.2	1.4	11.2	11.2	8.8	19.7	-18.6
2nd	-21	-27.6	-31.3	-24.3	-42.3	-41.6	-41	-43	-7.2	-21.7
3rd	-45.5	-8.9	-44.5	3.6	-52.6	3.9	-44	7.8	-6.5	-0.9
4th	21.5	-1.6	24.8	-13.4	32.9	-19.1	18.8	-29.2	6.5	-16.9
5th	-14	-7	-12.4	-23	-11.9	-33	1.4	-27.7	-4.7	8.3
6th	-4.9	8.5	1.6	10.7	6.5	11.3	8.6	7.1	5.4	2.2
7th	0.7	6.9	-0.1	6.9	-0.1	3.2	2.9	-5.4	2.4	0.5
8th	1.2	-0.9	-4.2	3.5	-4.2	1.6	0.2	-4.5	1.1	0.9
9th	0.2	0.7	-3.4	-0.2	-2	-1.1	1.3	-1.9	-0.6	-1.2
10th	-3	-1	-9	-2	-3.2	-0.6	5.8	1.1	-1.3	1.5
11th	7	0.8	11.6	-4.2	1.3	-1.6	-8.1	1.5	-0.8	-0.5
12th	5.1	0.7	7.2	-3.1	3.3	0.1	-2.8	0.3	0.7	-0.7
13th	0.3	1.6	-0.2	2	2.1	-0.2	0.1	-2.4	1	1.4
14th	0.8	1.4	0.1	-0.2	5.3	1.2	-0.2	-2	2.3	3.5
15th	-0.4	0.4	-2.6	0.6	8.8	6.5	0.1	-2.2	-3.8	3.3
16th	-0.4	-1	2.5	-1.7	-0.1	2.9	2.4	-0.4	-1.2	-2.8
17th	0.6	-0.4	-1.7	0.3	0.9	-1.8	-2	1.4	0.7	-0.2
18th	-0.5	-0.4	-3.2	-0.5	4.9	-0.6	-4.8	-1.1	0.1	0.6
19th	-0.6	1.4	-0.9	-1.2	0.7	-1.2	-2.1	-4.2	0	0.7
20th	1.5	-2.5	-0.1	0.2	-1.6	7	0.8	1.2	-11	1

D-462

RUN 51   PT 5

V/OR = 0.250	ALFS,U = -4.99	CLRH/S = 0.063896	CTH/S = 0.064099
VKTS = 100.0	MTIP = 0.606	CXRH/S = 0.005121	CP/S = 0.003298

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	162.2		6.4		24.7		-63		1	
RMS	43.3		40.7		57		88.7		24.3	
1/2 P-P	98.1		92.6		95.4		156.7		55.6	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	39.1	22.4	33.5	-27.9	38.3	-59.6	46.4	-83.8	-10.5	-23.5
2nd	5.6	17.8	-2.2	25.3	-5.3	32.7	-52.7	28.2	-10.9	10.9
3rd	2.2	1.4	9	-0.2	11.9	3.3	9.4	49.3	-3.4	10.4
4th	4.9	-1.2	3.7	-2.4	0.3	-3.5	-2.8	12.8	2.7	4.5
5th	4	5.1	8.1	5.3	8.1	4.8	-8.3	-8.9	1.7	-1.4
6th	-10.1	7.7	-5.4	8.2	-3.2	6.1	1.3	-4.1	-2.2	-2.8
7th	-4.1	5.5	-2	5.5	-1.8	3.6	-0.9	-1.7	-4.6	0.1
8th	-14.2	11.5	-7.4	10.3	-3.3	3.9	-4.3	-0.1	-1.3	2.4
9th	-4.9	8.3	-2.4	6.5	-0.9	2.2	-2.9	3.3	3	-0.7
10th	8.8	3.8	5.5	1.3	-1.4	0.8	3.3	1.2	-1.1	-1.7
11th	0.8	25.8	5.6	12.1	0.7	-3.1	3	5.9	-4.1	-5
12th	0.6	-0.8	0.6	-1	-0.2	-0.2	-0.4	-0.8	-0.5	1.1
13th	3.1	-1.5	1.9	-2.2	0.1	0.2	0.2	-1	1.1	0.7
14th	0.1	2.8	0.1	-0.1	-0.5	-1	-0.4	-1.6	1.2	0.8
15th	-4.4	-0.9	-1.7	0.8	1.1	-0.1	1.8	-0.8	-2.9	0.6
16th	-0.3	-1.4	-0.5	-0.2	-0.2	0.8	1	0.4	-2	0.5
17th	-0.4	1.2	0.3	0.2	-0.1	-0.9	0.7	-0.7	0	-0.1
18th	-0.7	1.1	0	-0.2	0.6	-0.6	0.4	-0.4	0.2	-1.3
19th	3.1	1.7	0	-0.3	-2.4	0.5	0.6	0.3	-2.1	-0.8
20th	-3.4	4.2	0.6	-0.5	0.8	-3.3	0.4	0.6	0.2	-3.7

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RUN 51   PT 5

V/OR = 0.250   ALFS,U = -4.99   CLRH/S = 0.063896   CTH/S = 0.064099
VKTS = 100.0   MTIP = 0.606   CXRH/S = 0.005121   CP/S = 0.003298

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	26.5		728.7		337.3		1251.9		-63.9	
RMS	354.5		294.7		344.7		291.5		131.9	
1/2 P-P	538.8		472.8		555		516.1		217.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	23.5	492.4	-39.8	396.9	-122.5	439	-154.3	340.7	91.5	155.8
2nd	30.4	-35.5	32	-58.1	46	-105.3	57.4	-106.5	19.3	22.6
3rd	-61.5	-8	-76.9	18.6	-103.1	26.3	-85.9	12	-7.1	-17
4th	3.6	3.5	16	25.2	32.6	44.3	36.2	41.6	6.1	-4.9
5th	-22.6	-24.9	6.5	-4.9	27.5	12.3	51.1	20.5	-13.1	-3.9
6th	-12.4	-13.7	-4.5	-6.9	0.9	-2.5	-4.4	7.5	-12.9	-8.4
7th	3.7	-13	5.2	-7.5	9.5	1.4	0.9	9.9	-2.1	0.3
8th	1.7	-9.7	8	-16.6	7.1	-9.8	-8.6	6.4	-9.2	4.5
9th	16.3	-6.3	10	-13.3	4.7	-4.7	-12.8	8.4	0.7	0.6
10th	9.8	-6.7	-1.8	-6.3	2.2	-2.4	-2.2	3.3	0.8	1.3
11th	-6.4	-14.9	-15.8	-30.4	-1.7	-0.8	9.5	22	-8.7	7.5
12th	10.9	1	12.5	-2.4	9.1	-3	-4.4	-0.6	0.3	2.2
13th	4.6	-7.8	2	-15.9	5	-15.5	-0.6	1.1	-2.9	2.5
14th	-0.2	0.2	-5.2	-2.7	-3	-0.1	-0.2	-1.9	-0.3	8.2
15th	-0.4	-1.5	5.4	-6.4	-0.6	-4.6	-0.2	0.6	6.4	-5.1
16th	-0.6	-0.4	-1.8	8.1	-3.6	7.5	-0.6	2.4	-1.8	-3
17th	-1.2	-1.6	2.1	-0.8	3.8	1.7	1.9	-1.8	-1.2	-1.5
18th	-1.8	-3.4	1.6	1.8	4.6	6.9	1.6	0.6	-2.2	-1
19th	2.3	-2.4	-1.3	1.4	3.6	3.8	-4.9	2.1	0.3	0.2
20th	-2.5	-4.1	1.6	-2.4	7.4	8.2	5.9	-6.9	-5.1	0

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RUN 51　　PT 6

V/OR = 0.200	ALFS,U = -4.99	CTH/S = 0.065135
VKTS = 79.8	MTIP = 0.605	CP/S = 0.003134
	CLRH/S = 0.064927	
	CXRH/S = 0.005222	

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	163.9		8		25.7		-57.9		1	
RMS	41		29.5		41.8		76		24.2	
1/2 P-P	93		72.2		79.2		141.6		64.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	25.4	32.5	20.1	-17	20.7	-47	17.4	-68.9	-8	-19.2
2nd	6	11.1	-3.5	12.9	-9.7	17	-52.3	20.5	-14.6	6.8
3rd	-3.7	-1.8	-0.1	1.7	0	8.4	1.5	53.6	-4	11.2
4th	-7.4	-10.4	-6.4	-8.1	-5.9	-7.3	1.1	9.4	8.9	3.9
5th	3.6	10.5	7.6	10.9	8.1	11.8	-4.6	-13.6	0.1	-5.9
6th	-9.9	5.9	-5.5	6.2	-2.7	4.8	3.3	-6.3	-7.2	-1.4
7th	11.4	4.6	8.7	1.1	4.3	0.9	-2.2	-1.7	0.2	-1.3
8th	-4.5	24.5	0.1	17.4	-0.2	5.9	-3	3.4	5.2	3.5
9th	-0.8	4.6	0.5	1.6	0.6	-1	-0.5	0.1	3	-1.7
10th	11.8	-2	6	-3.8	-0.3	-0.6	4	-3.8	-4.5	2.1
11th	7.3	-5	3.7	-4.5	-0.2	1	2.1	-4	-3.6	4.4
12th	6.7	-4	2	-3.4	-0.8	0.9	0.6	-1.2	0.9	0.9
13th	3.5	0.1	1.4	-0.9	-0.5	0.6	0.3	-0.4	1.5	-1.2
14th	-4.5	3.3	-0.6	1	2	-1.7	2.2	-1.9	-2.7	1.3
15th	-6.5	-1.6	-2.9	1.1	2.8	0.2	4.1	0	-4.5	1.4
16th	2.6	0.1	0.4	-0.6	-0.6	-0.1	-0.3	1.1	0.5	-0.6
17th	0.4	2.8	0.1	-0.2	-0.3	-1.5	-0.2	-0.5	1	-1.6
18th	0	2	0.2	-0.1	0.5	-0.9	0.1	0.1	0.8	-1.4
19th	-2.7	1.3	-0.2	-0.2	-1.1	-0.2	0.4	0.9	-0.8	0
20th	-0.6	3	0.1	-0.1	-0.2	-1.4	-0.1	0.7	0.2	-1.3

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RUN 51   PT 6

V/OR = 0.200   ALFS,U = -4.99   CLRH/S = 0.064927   CTH/S = 0.065135
VKTS = 79.8   MTIP = 0.605   CXRH/S = 0.005222   CP/S = 0.003134

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	10.6		711		321.9		1247.1		-51.4	
RMS	344.4		276		307.9		256.6		133.8	
1/2 P-P	557.4		517.5		580.7		467.1		230.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-3.2	479.9	-35.5	372.9	-76.8	396.3	-99.9	293.6	68.7	167.6
2nd	27.1	-7	28.1	-26.9	50.9	-56.7	65.1	-61.7	25.1	13.6
3rd	-37.5	-52.8	-57.6	-26.6	-69.7	-31.7	-63.7	-36.7	2.9	-30.3
4th	-0.4	9.5	11.3	40.7	18.7	64.5	21	59.3	-11.6	-18.7
5th	-18.2	-15.3	25.6	41.1	53.3	79.5	76.9	100.7	-18.4	5
6th	-12.2	-15.8	-1.4	0	4.1	14.8	3	20.1	-9.4	2.7
7th	-6.4	-0.1	-6	-0.8	-0.8	0.7	13.8	-3.2	1.6	7
8th	0.6	-11.2	1.6	-23.3	4	-12.6	-0.8	11.4	-4.8	4.6
9th	2.2	18.2	4	6.8	1.7	0.2	-2.7	-13.6	0.9	3
10th	4.7	14	-1.3	13.5	3.1	3.3	6	-14	0.5	5.8
11th	-17.5	3	-19.1	11.7	-6.7	0.8	12.6	-10.7	-3.2	2
12th	-3.8	17.5	-2.8	25	0.7	9.8	0.9	-12.7	3.2	2.3
13th	0.5	-7.8	-4.2	-10.3	-0.7	-8.4	2.3	1.7	3.3	-2.9
14th	-0.6	-0.6	2.1	-4.5	-4.3	1.8	2.5	-0.9	-7.2	0.2
15th	0.6	-1.1	1.8	-0.6	-11.7	1.5	1.2	1.4	3.6	-5.3
16th	0.5	0.4	-3.8	3.2	-3.3	0.8	-0.4	-0.3	-2.5	2.4
17th	2.3	-0.3	-0.8	-0.1	-2.3	3.7	-0.4	-2.8	-2.3	0.4
18th	1.7	-1.8	0.7	1.4	-0.8	6.4	0.9	0.3	-2.6	0.6
19th	1.7	-0.8	-0.9	-0.1	0.4	0.7	-2.5	0.7	0.4	1.5
20th	0.2	-7.8	0.8	0.8	5.7	12.4	3.2	2.6	-1.6	0.5

D-466

RUN 51   PT 7

V/OR = 0.150
VKTS = 60.1

ALFS,U = -4.99
MTIP = 0.605

CLRH/S = 0.064838
CXRH/S = 0.005069

CTH/S = 0.065034
CP/S = 0.003047

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	164.1		6.9		25.2		-50		2.8	
RMS	49.2		33.8		37.6		70.1		28.2	
1/2 P-P	101.7		84.6		71		151.9		69.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	7.8	38	3.7	-6.5	1.9	-31.6	-13.7	-51.1	-7.9	-16.4
2nd	6.4	7.2	-4.2	4.1	-11.5	5.8	-43.6	11.8	-21.1	4.2
3rd	-13.2	3.3	-12.8	12.5	-15.9	20.4	-16.9	59.2	-2.5	12.9
4th	-16.5	-19.8	-14.9	-12.7	-14.8	-8.9	8.8	13.2	16.1	2.4
5th	-3.3	19.5	2.6	21.3	4.2	21.6	0.8	-26.1	-1.7	-8.6
6th	-18.9	2.2	-14	4.9	-8.4	5.3	6.1	-6.9	-11.4	1.7
7th	7.3	1.8	5.8	-0.9	2.4	0.4	-1.2	3.4	0.8	1.2
8th	-16.1	28.2	-7.2	21.8	-2.8	8	-3.6	5.6	4.6	2
9th	-4	-1.1	-1.4	-0.5	0.8	-0.2	-1.2	-0.6	2.4	-2.6
10th	10.2	-4.7	5.5	-5.4	-0.6	-0.5	4.7	-3.4	-5.4	3.2
11th	9.2	19.3	8.9	8.5	-0.6	-1.5	6.3	4.7	-6.2	-1.1
12th	0.5	-7.5	-0.4	-3.3	-0.1	2.3	-0.5	-0.9	1	-0.2
13th	2.7	-3.9	-0.2	-2.1	-1.3	1.3	-1	0.2	1.9	-2.7
14th	-2.7	0.3	0.1	0.7	1	0.3	1.1	-0.2	-0.6	-0.2
15th	-8.8	-2.7	-2.4	1.3	3.1	0.5	3.1	-0.3	-3	1.8
16th	1.1	-3.7	-0.2	-1.1	-0.6	2.3	-0.4	2.1	0.5	-0.3
17th	-1	0.9	0.4	-0.3	-0.5	-1.1	-0.2	-0.2	0.2	-1
18th	-2.3	0.9	-0.3	-0.1	0.4	-1	0.2	-0.5	-0.1	-1.5
19th	-1.8	0.4	0.2	0	0.3	-0.3	0	0.2	0.8	-0.5
20th	2	2	0.1	0	-1.3	-0.3	0.3	0.4	-1.5	0.1

D-467

RUN 51   PT 7

V/OR = 0.150	ALFS,U = -4.99	CLRH/S = 0.064838	CTH/S = 0.065034
VKTS = 60.1	MTIP = 0.605	CXRH/S = 0.005069	CP/S = 0.003047

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	2		706.4		318.5		1244.8		-46.6	
RMS	329.6		262.1		281.9		239.6		132.9	
1/2 P-P	584.3		574.8		627.3		534.5		257.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-14.3	450.9	-16.6	337.8	-17.9	337.1	-19.3	235.7	42.3	168.3
2nd	14.2	5.3	18.9	-10.1	51	-27.6	60	-43.5	31.7	12.8
3rd	-6.4	-107.4	-31.1	-90.5	-31.2	-111.5	-36.2	-100.5	6.2	-33.2
4th	-5.1	11.9	5.5	55.3	15.9	78.6	5.5	77.1	-18.7	-35.5
5th	-22.3	-7.2	2.3	82.2	12.1	139.5	28.1	177.3	-26.2	14
6th	0.6	-15.3	10.9	10.3	14.4	28.3	-2.6	41.1	-3.4	11.1
7th	-8.6	9.5	-6.5	5.9	-0.7	2.3	7.9	-4.3	0.8	9.1
8th	6.7	-4.5	12.4	-23.2	9.4	-13.7	-4.6	17.5	1.7	2.3
9th	-8.7	19.1	2.5	11.8	4.9	-1	7.4	-12.9	-2.8	-3.1
10th	-9.8	20	-10	20.3	0.6	4.3	14.3	-16.7	-2	-0.7
11th	-2.3	-16.1	-20.1	-26.9	-3.2	-5.7	13.3	17.1	-4.5	1.2
12th	-10.1	5.6	-10.8	15.3	-8.5	0.8	3.8	-6.7	2.3	-0.8
13th	0.8	-0.5	-3	6	0	-0.6	-0.1	-1.1	7.4	0.3
14th	0.7	-0.8	2.4	2.6	0.5	3.7	1.9	1	-1	-4.1
15th	0.2	-0.8	-1.3	-1.5	-14.8	-0.3	1.6	2	-1	-7.8
16th	1.6	0.1	3.5	2.6	4.2	-5.1	0.5	1.3	-2.3	1.6
17th	2.2	-0.2	-1.6	0.4	-1.7	2	-0.3	-1.5	-3.4	-1.4
18th	0.9	-0.7	0.2	-1.8	-1.3	1.7	0.4	-2.6	2.9	3.1
19th	-0.1	-4.9	1.4	0.9	3.7	5.6	2.7	1.8	0.3	-0.7
20th	1.9	-6.7	-1.8	2.5	6.2	10.1	-2.6	6.2	2.6	-2

D-468

RUN 51   PT 8

V/OR = 0.125   ALFS,U = -4.99   CLRH/S = 0.064601   CTH/S = 0.064797
VKTS = 49.8   MTIP = 0.605   CXRH/S = 0.005069   CP/S = 0.003098

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	162.9		5.9		25.6		-44.2		6.7	
RMS	55.6		40.3		41.6		74.3		31.8	
1/2 P-P	110.2		96.6		83.8		155		73	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	2.3	42.1	-4.5	-0.5	-8.5	-23.2	-29.1	-41	-9.1	-15.1
2nd	7.4	5.5	-4.8	0.5	-10.4	0.7	-42.8	5.3	-26.6	3.7
3rd	-20.8	9.2	-20.4	20.5	-23.7	29.2	-22.9	67.5	-1.8	14.3
4th	-22.6	-24.8	-20.9	-14.4	-19	-10.1	12.5	13.5	19.8	1.1
5th	-1.2	22.4	3.7	24.2	4.3	25.2	-1.7	-30.7	-2.2	-10.1
6th	-22.6	1.9	-17.3	5.7	-10.4	5.1	9.1	-6	-12.1	3.2
7th	1	-3.9	0.4	-3.8	0.4	-0.8	-0.7	2.5	-0.7	1.1
8th	-13.3	28	-5.4	21.1	-2.2	7.7	-4.1	5.5	4.2	1.3
9th	-5.3	0.4	-2.3	1.3	0.5	0.7	-1.3	0.5	2.7	-2.8
10th	6.3	-4.9	3.1	-4.4	-0.6	0.3	3	-3.7	-3.2	3.1
11th	11.3	27.5	10.9	12.1	-1.4	-2.1	6.9	6.3	-6.6	-2.5
12th	-2.2	-1.3	-0.4	0.1	0.2	0.9	0.3	0.5	-0.2	-0.6
13th	1.4	-1.7	-0.1	-0.6	-1.3	0.9	-0.8	0.4	0.8	-2.3
14th	2.3	0.3	1	0.1	-1	0.7	-1.1	0.5	1.7	-0.9
15th	-3.8	-1.1	-0.5	0.8	1.5	0.1	1.8	0.2	-0.7	0.6
16th	-1.2	-3.4	-1.1	-0.3	0.6	1.1	1.3	1.4	-1.4	-0.4
17th	0.2	-0.1	0.3	-0.2	-0.8	-0.3	-0.2	0.5	-0.9	-0.5
18th	-0.7	1.2	0.1	0	-0.1	-0.7	0	0.2	0.2	-0.8
19th	-1.4	2.5	0.1	0	-0.4	-1.7	0.2	0	0.7	-1.7
20th	-1.3	-1.4	0.1	0	1.3	0.3	0	-0.1	1.1	0.7

D-469

RUN 51   PT 8

V/OR = 0.125   ALFS,U = -4.99   CLRH/S = 0.064601   CTH/S = 0.064797
VKTS = 49.8   MTIP = 0.605   CXRH/S = 0.005069   CP/S = 0.003098

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	7.5		709.7		319.3		1244.6		-48.8	
RMS	325.8		262.8		286.2		254.2		134.9	
1/2 P-P	626.4		631.6		655.2		569.4		269.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-4.4	437.7	4	319.5	26.2	307.7	23.3	204.7	36.3	168
2nd	17.6	14	23.4	-1.5	53.6	-14.3	59.6	-27.2	36.8	13.3
3rd	11.2	-132.5	-16.2	-121.5	-12.5	-150.4	-27	-133.9	6.6	-36.9
4th	-5.6	14.8	5.2	65.4	11.7	91.6	-4.4	91.8	-21.7	-46.7
5th	-31.6	-4.7	-22	106.2	-23.9	176.3	-10.2	225	-24.3	18.3
6th	6.6	-15.3	12.1	11.8	10	33.6	-13.2	46.7	-4.4	13.3
7th	-10.6	3.5	-2.9	9.5	2.9	10.4	8.1	4.6	-0.4	5.6
8th	9	-2.2	13.1	-21.3	9.9	-11.5	-3	18.8	4.4	2.8
9th	-6	12.2	4.9	5.7	6.2	-2.7	6.5	-9.4	-2.5	-5.2
10th	-12.7	14.5	-9.9	16.4	-0.1	3.5	13.9	-13.4	-0.9	-4.7
11th	3.7	-27.7	-20.7	-44	-0.7	-8.2	14.4	26.8	-2	3.8
12th	0.2	-6.2	-2.9	-6.5	-4.5	-5.9	-0.2	1	-0.8	-1.4
13th	2.6	4	3.5	10.3	4.3	5.8	-2	-3	4.4	-0.1
14th	0.7	-1.3	-1	6.2	3.5	5.2	0	0.5	3	-1.3
15th	0.8	-1.7	0.7	-0.4	-4	0.8	1.7	0.8	-3.7	-5.2
16th	2.2	-0.3	8.4	0.5	5.5	-3.9	1.1	0.1	3.9	0.3
17th	0.6	-0.9	0.1	1.4	0.8	1.1	-0.8	0.3	-0.8	-1.8
18th	-0.1	-1	0	0.1	1.2	2.9	-0.1	-1	0.7	0.9
19th	0.4	-3.4	1.2	-1	3.5	5.6	1.8	-1.5	1.3	1.4
20th	-2.1	-2.9	3	0.9	4.6	1.3	7	2.4	0.5	0.1

D-470

RUN 51   PT 9

	V/OR = 0.101	ALFS,U = -4.99	CLRH/S = 0.064561	CTH/S = 0.064748
	VKTS = 40.2	MTIP = 0.605	CXRH/S = 0.004966	CP/S = 0.003242

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	164		6.4		26.8		-32.8		14.9	
RMS	64.7		49.4		47.7		80.4		36.4	
1/2 P-P	162.8		125.2		104.5		161.6		76.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-5.4	43.6	-13.1	3.5	-16.7	-16.4	-46.9	-33.7	-10.7	-12.5
2nd	8.2	3.9	-3.5	-2.2	-8	-3.3	-45	-1.1	-34.9	3.7
3rd	-27.1	13.3	-27.5	26.8	-29.7	36.1	-28.9	71	-4.8	13
4th	-29.2	-26.8	-26.6	-13.7	-23.6	-9.3	14.7	10.9	23.2	-1.6
5th	7.7	23.3	10.7	24.3	10.2	25.7	-6.2	-29.6	1.4	-10.3
6th	-24.9	2.2	-19.6	6.9	-12.3	6.3	10.3	-7.2	-9.2	4.4
7th	-6.3	-15.6	-7.2	-11.2	-3.5	-5	1.2	0.6	-6.4	-0.1
8th	-4.6	28.6	0.8	20.1	0.8	7.3	-0.7	6.2	1.2	2.1
9th	-11.3	-0.2	-6.7	2.7	0.1	1.8	-4.3	1	4.1	-3.3
10th	-0.1	-7.4	-1.5	-4	-1.1	1.1	-1.5	-3.8	2.6	1.6
11th	11.4	39.6	12.5	18.7	-1.1	-4.4	8.8	10	-6.9	-6.1
12th	-9.2	0	-3.2	1.7	2.2	-0.1	0.3	1.1	-2	1
13th	1.8	-2	0.2	-0.2	-0.4	1.1	-0.8	1.4	-0.1	-1.4
14th	6.4	1.1	1.8	-0.2	-2.3	0.4	-2.6	0.4	3.9	-2
15th	-0.7	-0.8	0	0.2	0.2	0.2	0.3	0.2	0.7	-0.8
16th	2.4	-3.2	-0.4	-1.6	-0.8	1.9	-0.5	2.6	-0.2	-0.7
17th	1.1	1.7	0.6	0.4	-0.9	-0.5	-1.3	-0.2	0	0.8
18th	-1.6	-1.3	0.2	0.1	1	0.1	0.2	-0.2	1	0.4
19th	-1.1	-4.6	-0.1	-0.1	1.5	1.7	0.3	0.2	1.8	1.6
20th	0.4	-0.4	0.3	0	0.2	0.4	-0.4	0.2	0.2	0.4

D-471

RUN 51   PT 9

V/OR = 0.101   ALFS,U = -4.99   CLRH/S = 0.064561   CTH/S = 0.064748
VKTS = 40.2   MTIP = 0.605   CXRH/S = 0.004966   CP/S = 0.003242

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	14.4		712.9		316.7		1237.2		-58	
RMS	324.1		269		297.4		271		135.6	
1/2 P-P	642.6		657.1		681.4		585.5		269.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	5.7	425.6	27.3	304.1	66.6	280.7	69.9	179.2	28.6	165.1
2nd	19.3	19.5	25	5.7	51.6	-1.3	53.3	-11.3	45.8	14.3
3rd	23.8	-154.4	-6.3	-149.2	-1.3	-185.7	-20	-162.1	5.4	-33.5
4th	-7.6	11.1	-2.8	65.6	-3.2	91.9	-19.3	97.6	-29.7	-54.2
5th	-44.3	-1.3	-56.8	121.2	-78	198.2	-59.1	246.7	-19.8	26.6
6th	13.9	-17.5	9.8	9.3	-1.3	31.4	-28.5	47.8	-4.6	9.4
7th	-7.1	3.2	1.3	18.5	1.9	21.8	-3.3	5.6	-3.4	1.3
8th	8.7	1	8.3	-16.9	7.2	-6.4	3.7	18.5	6.5	3.9
9th	-1.5	11.2	12.1	2.9	9	-4.2	1.8	-8.1	0.8	-6.2
10th	-14.7	9.5	-7.3	13.4	-1	1.8	8.3	-11.5	2.7	-5
11th	7.7	-32.4	-20.7	-57.6	0.6	-7.4	13.7	37.4	-1.2	2.8
12th	10.1	-10.6	12.5	-18.1	-0.9	-8.8	-5.8	6.9	-3.3	-1.1
13th	1.1	9	5.5	18	5.8	11.2	-1.1	-4.2	1.8	-0.5
14th	1.1	-1.3	-4.7	5.9	4.8	4.3	-0.9	-0.4	7.3	3.8
15th	1.2	-0.3	-0.3	2	-1.6	1.6	0.3	1.8	-3.5	-3.3
16th	-1.2	1	7.1	5	9.2	-1.5	0.1	1.6	5.7	5
17th	0.7	-0.5	-1.5	0.6	2	2.6	-0.2	0.7	1.4	-3.2
18th	-0.3	0	0.1	-0.2	-2.2	-0.5	1.9	0.2	0	-0.5
19th	1	-0.9	2.6	1.3	-2.6	-3.2	3.6	3.9	1.2	-2.7
20th	-5.2	-5.6	2	1.6	13.1	3.2	8.5	4.2	-1.9	-0.1

D-472

RUN 51   PT 10

V/OR = 0.091   ALFS,U = -4.99   CLRH/S = 0.064434   CTH/S = 0.064620
VKTS = 36.4   MTIP = 0.605   CXRH/S = 0.004952   CP/S = 0.003325

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	163.7		6.7		27.3		-25.3		19.5	
RMS	64.5		49.6		48.5		81.8		38.1	
1/2 P-P	152		131.7		104.9		160.5		79.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-6.8	47.1	-15.3	6.3	-20.9	-13.9	-55.3	-30.8	-11.4	-11.4
2nd	8.6	3	-3.1	-4	-6.3	-5.1	-45.3	-4.6	-38.2	3.4
3rd	-29.4	14.3	-29.9	28	-32.6	36.8	-32.1	69.3	-7.4	12.3
4th	-31.5	-26.6	-28.4	-13.1	-24.7	-7.8	16.3	10.1	23.6	-2.4
5th	11.5	19.2	12.9	19.9	11.9	21.5	-8.7	-24.8	4.3	-9.5
6th	-24.1	2.4	-19	6.6	-11.6	5.8	9.7	-7.8	-6.6	4.5
7th	-9.5	-20.3	-10.4	-14	-5.4	-6.7	3.6	-0.1	-9.3	-0.5
8th	-3.3	21.9	0.9	15.1	0.5	5.4	0.1	5.7	-1.5	1.6
9th	-13.3	-0.8	-8.3	2.6	-1	1.6	-5.6	0.7	4.4	-2.9
10th	-3.8	-5.7	-3.3	-2.1	-0.9	0.7	-2.5	-2.9	4.9	0.3
11th	1.6	33.7	6.6	17.5	-0.1	-3.6	5.3	9.9	-3.7	-6.2
12th	-9.3	-0.1	-3	1.5	2.4	-0.5	0.2	1.2	-3.1	1.3
13th	0.9	0.3	0.1	1	-0.5	0.6	-1.1	0.9	-0.2	-0.5
14th	4.2	2.8	1.3	0.7	-1.8	-0.5	-1.9	-0.4	3.6	-0.8
15th	1.6	-0.9	0.3	-0.7	-0.8	0.2	-0.6	0.8	1.5	-1.3
16th	4.1	3.4	1.5	-0.2	-2.3	-0.9	-3.1	-0.3	1.2	0.6
17th	-1.3	1.7	0	0.9	0.1	-1	0.1	-1.1	-0.5	0.6
18th	-0.2	-3.1	-0.1	0.1	0.7	1.4	0.7	0.4	0.8	1
19th	4.5	-3.9	-0.1	-0.1	-1.1	2.7	0	0.7	-0.9	3.2
20th	-2.2	1.7	0.7	0.3	0.7	-1.4	-0.6	0.2	0.9	-0.6

RUN 51   PT 10

V/OR = 0.091   ALFS,U = -4.99   CLRH/S = 0.064434   CTH/S = 0.064620
VKTS = 36.4   MTIP = 0.605   CXRH/S = 0.004952   CP/S = 0.003325

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	18.9		714.8		316.4		1230.6		-63	
RMS	322.3		268.7		301.3		275.3		135.3	
1/2 P-P	649.7		661.9		699.6		581.8		271.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-1.2	420.9	25.9	297.7	74.1	271.3	83.5	171.1	19.3	164.1
2nd	19.6	21.9	25.1	9.7	49.6	4.3	48.1	-4.4	50.2	11.7
3rd	27.8	-158.7	-3.3	-156.3	2.3	-194.7	-16.9	-169.1	4.9	-34
4th	-9.9	8.1	-9.9	62.1	-14.6	85.3	-31.1	92.9	-31	-56.2
5th	-45.1	3.3	-63.4	128.8	-89.9	208.9	-69	254	-17.6	29.7
6th	17	-16.2	9.1	6.9	-5.1	25.5	-31.5	41.2	0.1	5.4
7th	-4.8	1.6	2.5	21	0.5	25.7	-9.5	7	-4.5	3.7
8th	9	4.1	8.6	-10.3	6.6	-2.5	3.2	14.4	5.6	2.4
9th	-0.7	11.2	13.4	3.2	9.2	-4	0.1	-8.4	3.1	-3.8
10th	-13.4	7	-4.6	9.7	-0.4	0.7	5.2	-7.8	3.6	-4.4
11th	12.5	-29.7	-6.6	-54.2	1.9	-7.3	4.5	34.9	-1.7	1.6
12th	14.9	-9.4	18.1	-17.9	2.6	-8.7	-7.7	7	-2.9	-1.5
13th	0	9.8	2.9	16.8	4.1	12.8	-0.8	-4.1	0.7	1.2
14th	1.8	-0.3	-2.6	5.5	4.9	7.4	-1.5	-0.8	3.9	2.9
15th	1.1	0.2	-2.5	2.4	-0.2	-0.2	-0.8	0.6	0.4	-0.5
16th	0.5	-0.1	3.6	2.5	14.2	5.3	0.3	-0.5	-1.1	2.4
17th	1	-0.7	-0.2	-0.7	0.3	3.3	0.6	0.1	5	-1.1
18th	-0.5	-0.4	1.5	1.9	-0.2	-2.2	2	3.2	-0.3	-1
19th	-0.1	0.2	0.2	1.8	2.8	-8.9	-2.1	4.2	0.5	0
20th	-1.9	-8.7	2	0.2	9.3	12	7.2	3.8	-2.5	-2.7

RUN 51   PT 11

V/OR = 0.081	ALFS,U = -4.99	CLRH/S = 0.064787	CTH/S = 0.064971
VKTS = 32.3	MTIP = 0.606	CXRH/S = 0.004934	CP/S = 0.003455

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	165.4		7.7		29.2		-14.3		25.9	
RMS	63.6		49.2		48.1		84.1		40.8	
1/2 P-P	148.1		131		105.6		161.6		85.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-10.1	47.9	-18.6	8	-22.6	-11.4	-65.8	-27.3	-13	-10.2
2nd	8.4	2.8	-2.6	-4.4	-5.2	-6.1	-45.5	-8.3	-41.4	3.4
3rd	-30.7	14.6	-31.2	28.5	-33.9	37.4	-34.1	67.2	-10.1	11.8
4th	-32	-25	-28.6	-11.3	-25.2	-6.9	17.5	10	23.6	-3.4
5th	16.6	10.5	15.5	11.2	13	14.1	-11.3	-16.2	7.8	-7.8
6th	-21.7	1.7	-17.8	5.9	-11.3	5.1	10.6	-8.6	-4.9	4.3
7th	-14.8	-21.7	-14.5	-14	-7.6	-6.2	5.9	-0.6	-13.2	0.3
8th	-4.6	17.6	-0.7	12.2	0.3	4.4	-0.6	5.6	-3	1.9
9th	-14.4	3.2	-8.6	5.3	-1	2.6	-6.1	1.2	5.5	-3.2
10th	-6	-2.9	-3.8	-0.3	-0.6	0.9	-2.2	-1.7	5.1	-1.1
11th	9.7	27.7	9.7	12.7	-0.8	-2.8	6.8	7.6	-5.8	-4
12th	-6	2.9	-1	2.1	1.8	-1	0.3	0.4	-2.4	2
13th	-0.4	0.8	-0.5	1.2	0.1	0.2	-0.4	0.5	0.1	-0.2
14th	2.5	0.9	0	0.3	-1.3	0.3	-1.3	0.6	1.9	-1.4
15th	7.5	3.1	2.4	-0.5	-3.4	-0.1	-4.1	0.1	3.6	-0.7
16th	-0.3	6	1	1.3	-0.8	-2.4	-1.6	-2.4	1.4	1.2
17th	-0.3	-0.8	0	-0.5	0	0.4	0	0.8	0.1	-0.2
18th	1.6	-3.5	0.3	-0.5	-0.2	2.3	-0.1	1.3	0.3	2
19th	1.8	-2.3	-0.2	0	0.1	1.8	0	0.3	-0.3	2.5
20th	-3.9	-2.3	0.2	0.6	2.4	-0.1	-0.8	-0.7	2.5	0

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RUN 51   PT 11

V/OR = 0.081   ALFS,U = -4.99   CLRH/S = 0.064787   CTH/S = 0.064971
VKTS = 32.3   MTIP = 0.606   CXRH/S = 0.004934   CP/S = 0.003455

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	23.9		716.3		309.9		1223.6		-71	
RMS	320.7		269.4		305.4		278.5		134.5	
1/2 P-P	649.1		639.8		710.1		585.9		260.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-13.4	418.9	23.9	295.2	79.8	264.4	96	165.7	12.9	163.6
2nd	19.2	25.6	25.2	13.9	47.2	10.4	45.2	2.1	55.9	11.6
3rd	32.2	-155.6	0	-156.5	4.7	-196.2	-15.5	-169	4.3	-33.7
4th	-13.2	3.1	-20.2	55.8	-29.6	77.9	-46.1	88.1	-28.5	-52.9
5th	-47.3	9.1	-82.2	133.9	-119.7	213.2	-100.1	250.3	-11.4	30.2
6th	19.6	-15.1	4.6	7.6	-11.3	25.5	-38	41.3	3.2	1.5
7th	-5.3	1.8	4.6	21.8	2.1	26	-12.9	6.7	-6.1	4.4
8th	7.8	4.9	9.4	-7.5	7.5	-0.8	3.2	11.7	5.2	1.3
9th	-6.5	7.4	9.2	-1.1	8.5	-4.1	2.8	-3.6	3	1.1
10th	-13.3	1.2	-4.3	4.5	-1.8	1.5	3.4	-1.9	3	-4.4
11th	9.2	-22.3	-12.4	-39.7	2.9	-4.2	9.6	26.4	-2.3	3.2
12th	16.8	-6.8	18.6	-16.3	6.2	-5.7	-7.2	6.1	-3.5	-0.8
13th	-1.6	8	-0.6	14.7	-0.4	11.7	-0.7	-3.6	1.5	4.9
14th	2.1	-1	-1.9	3.8	2	4.6	-2.1	-0.3	4.4	1.8
15th	0.1	0.6	-6.9	1	6.7	0.7	-2.2	-0.3	1.3	1.2
16th	0.8	0	3.4	1.3	9.3	10.5	0.9	-0.8	-2.8	-1.2
17th	1.1	0.3	-0.3	1	-1.3	-0.9	-0.1	0.6	2	2.8
18th	-0.8	-0.9	0.4	3.4	1	-2.8	1.8	4.8	0.1	-0.5
19th	0.6	-1.2	0.8	2	2.4	-2.8	0.8	4	-0.5	-0.2
20th	3.5	-8.3	2.4	1.7	-1.8	13.9	6.2	9	0.4	-2.7

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RUN 51   PT 12

V/OR = 0.071	ALFS,U = -4.99	CLRH/S = 0.064963	CTH/S = 0.065143
VKTS = 28.3	MTIP = 0.605	CXRH/S = 0.004895	CP/S = 0.003603

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	166		9.2		31.6		-1.2		32.3	
RMS	59.1		45.4		45.2		84.8		40.6	
1/2 P-P	119.5		109.6		98.9		157.6		85.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-15	48.1	-21.9	9	-24.9	-10.1	-74.7	-22.5	-14.8	-8.5
2nd	7.2	4.1	-2.5	-3.6	-4	-6.2	-48.9	-10.6	-41.9	2.9
3rd	-31	13.9	-30.7	27.8	-33.2	35.7	-30	64.2	-12.7	12
4th	-28.2	-21.3	-24.7	-8.8	-22.4	-4.9	14.3	9.6	20.6	-3.4
5th	15.6	-1.7	12.7	0.7	10.5	5.4	-10.1	-7.4	11	-6.8
6th	-17.8	2.2	-14.9	5.9	-9.9	5.3	10.9	-9.1	-3.5	2.4
7th	-19.8	-18.8	-17.3	-11.1	-8.6	-4.6	5	-0.1	-14.1	2.2
8th	0	12.5	1.8	8.1	1.2	2.6	-0.5	3.7	-1.8	2.4
9th	-9.9	5.5	-5.2	5.9	-0.2	2.3	-3.6	1.4	3.8	-3.5
10th	-8.9	-3.2	-5.4	-0.2	-0.1	0.3	-3.6	-0.3	4.6	-1.3
11th	16.6	7.3	9.5	1.1	-1.8	-1.2	5.7	0.1	-3.9	0.7
12th	-9.4	2.2	-3.1	2.4	2.3	-1.2	0	0.5	-1.3	1.2
13th	-4	-1.6	-2.4	0.7	1.2	0.5	-0.2	1.5	-1.7	0
14th	5.2	1.7	1	-0.3	-2.6	-0.2	-2.3	0.3	3	-0.8
15th	2.6	4.6	2.4	0.9	-1.4	-0.9	-2	-1.6	3.1	0
16th	1.4	-0.5	0.4	-0.9	-0.8	0.6	-0.9	1.2	0.6	-0.5
17th	1.6	1.8	0.7	-0.1	-0.9	-0.3	-1.4	0.1	0.1	0.4
18th	-0.3	-1.2	0.2	0	0.6	1	0.1	0.2	0.5	0.8
19th	2.6	-4.2	-0.5	-0.1	0.1	2.4	0.3	0.6	-0.4	2.8
20th	-0.3	0.6	0.3	0.3	0.4	-0.4	-0.4	-0.4	0.3	-0.3

RUN 51 PT 12

V/OR = 0.071 ALFS,U = -4.99 CLRH/S = 0.064963 CTH/S = 0.065143
VKTS = 28.3 MTIP = 0.605 CXRH/S = 0.004895 CP/S = 0.003603

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	28.1		716		302		1210.3		-80.6	
RMS	320.1		266		301		271.2		131.3	
1/2 P-P	644.9		609.2		701.5		594.8		268.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-23.6	422.1	22.1	296.6	83.2	264.4	105.4	164.4	8.9	162.9
2nd	16.2	28	21.8	14.2	40.9	12.1	39.7	3.7	56.3	12.9
3rd	27.7	-146.6	-4.1	-148.7	-1.4	-186.8	-20.4	-160.1	0.5	-32.1
4th	-18.3	1.2	-30.3	52.7	-42.9	75.2	-56.1	85	-24.5	-45.2
5th	-39.6	18.4	-68.9	140.8	-99.9	218.9	-83.6	245.1	-2	25
6th	17.7	-15	0.6	5.4	-14.5	21.8	-37.2	36.2	2.8	-1.4
7th	-7.1	-3	7.6	16.7	7.7	22.3	-11	9.4	-4.9	3.3
8th	5.1	4.7	5.4	-4.8	5.9	-0.6	4.5	6.6	4.3	1.4
9th	-10.9	5.9	2.4	-1.4	5.7	-3.7	6.9	-1	2.6	2
10th	-9.7	-1.2	1	1.8	-0.5	1	-0.6	0.4	2.2	-2.3
11th	2.3	-5.7	-15.2	-7.1	2.7	-1.2	11	3.9	-0.1	4.1
12th	13.8	-3.9	19.6	-13.1	3.3	-3.1	-8.5	4.8	-4.4	-2.1
13th	-1.8	7.9	3.5	13.6	-1.3	10.2	-2.3	-2.7	-0.9	2.7
14th	1.3	-0.5	-4.5	3.2	3.5	3	-0.7	-0.8	4.5	1.2
15th	0.4	0	-1.9	-3.7	5.9	0.9	1.3	-0.8	-5.6	-3
16th	1.3	0.3	-0.4	7.6	0.6	6.2	-1.3	1.6	-1.1	5
17th	-0.6	0.3	-0.9	-0.5	4.6	0.2	-0.8	-0.6	2.7	1.8
18th	0.3	-0.8	1.4	2.4	0.5	1.3	1.7	2.8	-1.2	-0.5
19th	-0.5	2.5	2.6	1.2	2.3	-9.8	1.5	2.6	0.4	-1.4
20th	9.5	-10.6	-1.2	5	-2.4	22.1	-4	15.5	-1.5	-0.1

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RUN 51   PT 13

V/OR = 0.060   ALFS,U = -4.99   CLRH/S = 0.064868   CTH/S = 0.065047
VKTS = 24.0   MTIP = 0.605   CXRH/S = 0.004874   CP/S = 0.003744

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	164		9.8		34.1		16.8		41.6	
RMS	57.3		42.1		41.1		84.5		42.2	
1/2 P-P	137.2		113.3		84.6		153.7		83.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-18.8	50.5	-24.6	11.3	-26.8	-8.2	-83.9	-17.2	-16	-4.7
2nd	6.7	4.8	-1.4	-2.2	-2.4	-5.4	-50.8	-11.3	-43.7	3.9
3rd	-27.1	11	-27.4	24.5	-29.5	31.8	-27.6	55.4	-16.9	10.5
4th	-24.2	-17.5	-21.4	-6	-19.7	-2.5	10.3	7.6	20.3	-5.8
5th	13.9	-10.8	9.2	-7.6	6.7	-1.9	-4.3	0.2	12.9	-6
6th	-14.2	3.8	-11.6	5.7	-7.6	4.5	8	-6.1	-2.6	3.8
7th	-23.8	-13.9	-19.1	-7.1	-9.2	-3.1	3	-0.9	-13.1	3.8
8th	6.6	2.5	5.3	0.1	2.5	-0.6	1.9	1.1	-1.8	0.2
9th	-9.7	1	-5.6	2.9	-0.3	1.8	-3.8	1	2.4	-3.2
10th	-6.2	-2.3	-3.8	0.4	-0.1	0.1	-2.7	-0.2	4.5	-2.2
11th	-10.6	14.7	-3.4	9.9	1.3	-1.4	-1.6	6.3	2.1	-3.5
12th	-2.9	2.1	-0.5	1	0.9	-0.8	0.2	0.2	-1.4	1.8
13th	-2.2	5.5	-0.2	2.9	0.3	-1.4	-0.1	0.1	-0.5	1.1
14th	-1	0.9	-0.2	0.9	0	-0.2	0.2	0	0.3	-0.3
15th	7.5	-5.1	0.9	-3.5	-2.5	3	-2.5	3.2	2.1	-3.9
16th	1.5	8.9	2.3	1.8	-1.7	-3.3	-3.2	-3.8	1.9	1.5
17th	-1.2	-1.3	-0.1	0	0.8	0.4	0.5	0.1	0.6	0.1
18th	0.8	-4.6	-0.1	-0.6	0.5	2.7	0.5	1.4	0.9	2.1
19th	2	-1.6	-0.3	-0.1	-0.1	1.3	0.4	0.1	-1.2	2.1
20th	-4.1	-1.3	0.4	0.4	2.8	-0.9	-0.5	-0.6	2.4	-1

D-479

RUN 51 PT 13

V/OR = 0.060 ALFS,U = -4.99 CLRH/S = 0.064868 CTH/S = 0.065047
VKTS = 24.0 MTIP = 0.605 CXRH/S = 0.004874 CP/S = 0.003744

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	27		710.3		288.1		1187.1		-96.7	
RMS	314.4		259.8		292.2		260.6		126.6	
1/2 P-P	643.8		645.7		710.9		547.2		245.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-48.7	413.8	7.6	289.6	77.2	257.4	104.6	159.5	4.9	158.7
2nd	10.8	14.1	14.7	2.6	30.9	3.2	31.3	-1.2	55.8	12.4
3rd	32.4	-141.1	-1.3	-144.4	-0.7	-178.2	-19.7	-151.6	3.5	-26.8
4th	-13.5	-4.8	-29.2	39.1	-41.7	57.1	-53.4	67.3	-21	-42.8
5th	-31.3	27.1	-65.3	144.9	-98.5	222.4	-89.1	238.6	5.6	19.2
6th	16.8	-6.4	0.9	0.1	-12.9	6.2	-32.1	16.5	1	1.6
7th	-6.4	-4	10	10.9	7.8	16.3	-14.3	8.3	-6.5	4
8th	-3.8	7.1	-2.7	5.2	2.1	2.5	10.5	-1.5	4.1	-1.1
9th	-13.4	-0.5	0.2	-1.9	5	-2.2	8.5	1	1.7	3.4
10th	-10.1	-9.7	-2.6	-4.8	-0.4	-3	2.5	4.2	-2.5	-2.5
11th	15.5	-16.3	14	-31.7	3.2	-6	-10.3	19.2	0	-3.1
12th	2.8	-9.6	0.1	-14.8	-2.1	-6.4	-0.3	6	-3.2	2.5
13th	-2.1	8.5	0.6	10.1	0.3	13.9	0	-1	0.3	1.6
14th	0.8	-0.7	-0.4	-2.6	-1.1	-0.7	0.8	1.2	2	-1.2
15th	-0.4	0.9	0.7	1.6	8.9	-11.9	-1.7	-0.7	4.4	1.9
16th	0.4	-0.3	-7.6	-1.6	1.5	10.5	-1.7	-3	-2.1	-1.7
17th	-1.2	0.3	1.3	0.7	-0.1	-1	1.3	0.8	1.8	-0.6
18th	-0.7	-0.4	0.6	6.2	-1.1	-0.3	1.5	6.4	1.8	0.1
19th	4.3	-0.9	-1.1	5.7	-3.3	5.5	-3.6	7.5	0.7	0.1
20th	2.7	1.7	1.7	-1.3	-8.6	1	2.1	-2.2	-1.8	-2.6

D-480

RUN 51 PT 14

V/OR = 0.050 ALFS,U = -4.99 CLRH/S = 0.064522 CTH/S = 0.064704
VKTS = 20.1 MTIP = 0.605 CXRH/S = 0.004910 CP/S = 0.003864

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	164.3		11.4		37.1		34.4		50.2	
RMS	53.7		35.5		33.1		81.7		41.8	
1/2 P-P	102.7		85		69.5		141.5		78.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-20.1	54.5	-24.8	13.9	-26.2	-6.1	-89.9	-16.5	-16.2	-3.8
2nd	6.8	6.9	-0.2	0.1	-0.8	-3	-49.3	-11.5	-46.5	1.2
3rd	-17.9	7.1	-19.7	17.6	-22.2	23.4	-23.8	40	-16.6	6.7
4th	-14.8	-14.3	-14.3	-6	-13.2	-3.7	7.3	6.7	18.9	-3
5th	14.2	-14.6	7.5	-12.2	4.2	-7	-3.3	6	12.2	-0.7
6th	-7.1	2.5	-6.4	2.7	-4.9	1.7	4.7	-2.4	-1.5	2.5
7th	-19.2	-17.6	-16	-9.8	-7.8	-4.3	2.8	-0.4	-11.3	-0.5
8th	7.7	-5.3	5	-4.6	2	-1.8	2.2	-0.5	-2.6	-1
9th	-2.3	-0.6	-1.3	1.2	0.3	1.8	-1.1	-0.3	2	-0.7
10th	-10.1	-1.3	-6.3	1.6	-0.3	0.8	-4.3	1.2	5.2	-1.7
11th	-5.4	-5.7	-4.5	-1.8	0.2	0.6	-2.6	-0.8	2.6	0.1
12th	-4	3.4	-1	2	0.9	-1.8	-0.1	0.8	-0.9	0.7
13th	-4.4	2.9	-1.9	1.7	0.9	-1.6	0	-0.2	-1.3	1.8
14th	-1.5	1	-0.7	0.8	0.1	-0.2	0.1	-0.1	-0.3	0
15th	7	-1.6	1.9	-2.1	-2.5	1.1	-2.5	1.6	2.9	-2.5
16th	-0.9	8.8	1.8	2.2	-0.8	-3.9	-1.9	-4.2	1.8	1.9
17th	-0.9	-0.7	-0.3	0.5	0.7	0	0.5	-0.1	0.2	0.6
18th	2.7	-3.7	0.1	-0.4	-0.4	2.5	0	1.4	-0.1	2
19th	3.1	0.8	-0.1	-0.4	-1.4	0.5	0.2	0.4	-1.9	0.8
20th	-2.5	-1	0.1	0.4	1.7	-0.2	0	-0.5	1.5	-0.4

D-481

RUN 51   PT 14

V/OR = 0.050   ALFS,U = -4.99   CLRH/S = 0.064522   CTH/S = 0.064704
VKTS = 20.1   MTIP = 0.605   CXRH/S = 0.004910   CP/S = 0.003864

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	26.8		703.7		270.7		1162		-111.3	
RMS	311.4		250.8		275.4		243.9		124	
1/2 P-P	632.4		626.8		686.9		551.5		239.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-80.8	413.8	-14.8	288.5	58.3	254.8	97	160	0.8	159.2
2nd	10.9	8.4	10.9	-2.7	23	-1.9	24	-4.9	53.3	16.6
3rd	42.1	-104.7	11.4	-108.9	9.2	-134.7	-7.4	-113.6	8.3	-15.9
4th	-7.5	0	-23.5	31.3	-33.5	44.1	-42.4	49.3	-10.7	-35.5
5th	-22.2	37.8	-65.9	148.1	-104.2	221.3	-104	230.7	12.7	15
6th	13.9	2.6	1.1	-3.5	-7.9	-5.3	-20.6	-4	0.9	3.8
7th	-2.9	-12.1	8.6	8.2	6	16.6	-13.4	10.5	-5.7	-1.2
8th	1.9	3.7	-2.1	7.1	-1.5	3.5	4	-4.3	2.2	-2.9
9th	-8.7	-11.4	-4.2	-5.6	2.6	-1.1	9.9	7.4	2.2	4.6
10th	10.7	-12.8	13.6	-11.8	2.8	-3.7	-11.5	9.5	-0.7	-1.2
11th	23.6	16	29.1	11.9	10.3	2.9	-16.8	-9.5	3.9	-3.2
12th	8.9	4.4	14.3	-2	5.9	2.8	-4.9	1.2	-2.4	1.2
13th	-10.2	-0.7	-16	0.5	-15.9	4.6	3.2	1	-2.3	2.4
14th	0.2	-0.6	-1	-2.1	-2.5	0.2	0	1	2.9	-0.8
15th	0.1	0.3	2.2	-0.2	12.3	-7.6	-0.2	-0.8	2.2	0.5
16th	-0.1	-0.9	-7.7	-5.6	-3.2	7.9	-0.5	-3.6	-3	-1.4
17th	-0.3	-3.2	0.9	1.4	0.6	3.7	1.3	2.4	2.1	2.9
18th	-0.2	-1.8	0	3.1	1.5	-2.5	-0.4	5.2	2.2	0.6
19th	3	1	-3	2.5	-1.2	1.4	-6.4	2.8	0.3	1.5
20th	7.1	-0.2	0.4	0.6	-10.6	7.6	-2.4	4.3	-1.5	-3.3

RUN 51   PT 15

V/OR = 0.041   ALFS,U = -4.99   CLRH/S = 0.064778   CTH/S = 0.064964
VKTS = 16.3   MTIP = 0.606   CXRH/S = 0.004960   CP/S = 0.004007

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	164.6		13.9		41.2		54.8		59.6	
RMS	49.8		29		23.9		78.4		37.1	
1/2 P-P	97.4		63.6		48.4		128.4		70	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-26.3	56.2	-25.7	15.9	-22.6	-4	-95.7	-13.5	-16.4	-2.8
2nd	3.4	7.2	-1.1	1.6	-1.1	-0.8	-43.4	-8.4	-44.4	0.7
3rd	-8	4.2	-10.5	11.2	-12	15.5	-15.2	23.6	-12.3	4.3
4th	-8.6	-8.1	-8.9	-3.3	-7.9	-2.2	5.2	4.8	12.9	-1.5
5th	12.9	-12.5	6.6	-12.7	3.9	-9.9	-3.1	9.1	8.4	0.2
6th	-2.5	0.3	-3	-0.4	-2.5	-1	2.6	0.4	0	0.4
7th	-11.4	-9.1	-9	-4.4	-3.8	-1.7	1.4	-1.1	-6.3	1
8th	3.4	-6.7	1.6	-5.1	0.8	-1.7	1	-1.5	-1.5	-0.1
9th	0	-0.1	-0.1	0.7	0.1	1.1	0.1	-0.2	0.2	-0.6
10th	-4.6	1.2	-2.8	2.2	-0.5	0.6	-1.8	1.4	2	-1.7
11th	-10.5	-5.8	-7	-1.2	0.6	0.4	-4.3	-0.2	3.6	0.1
12th	-2.6	2.2	-0.8	1.3	0.5	-1.2	-0.2	0.4	-0.2	0.5
13th	-3.1	3.3	-0.8	1.6	0.7	-1.3	0.1	-0.5	-0.5	1.2
14th	-0.8	0.6	-0.1	0.3	0.5	-0.1	0.1	-0.3	-0.5	0.3
15th	5.3	-3.1	1.4	-2.2	-1.1	1.4	-1.7	2.1	1.6	-2.5
16th	1.3	3.5	1.1	0.3	-0.8	-1.7	-1.4	-1.2	1.4	0.3
17th	0.5	-0.9	-0.1	0.5	0.2	0.2	0.1	-0.1	0.2	0.6
18th	0.7	-1.8	-0.3	-0.4	0.4	0.9	0.4	0.8	-0.4	0.7
19th	0.1	0.4	-0.1	-0.4	0.4	0	0.2	0.2	-0.6	-0.5
20th	-1.4	-0.3	0.2	0.6	0.9	-0.3	-0.1	-0.4	0.4	-0.3

RUN 51   PT 15

V/OR = 0.041   ALFS,U = -4.99   CLRH/S = 0.064778   CTH/S = 0.064964
VKTS = 16.3   MTIP = 0.606   CXRH/S = 0.004960   CP/S = 0.004007

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	22.6		694.6		247.6		1136.8		-129.8	
RMS	304.4		226.8		228.5		189.8		115.3	
1/2 P-P	565.9		547		561.4		419.9		207.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-120	402.3	-41.1	280	31.5	244.7	77.8	153.6	-5.2	152.1
2nd	3.1	0.2	3.4	-8.6	12.2	-8	15.6	-8.7	44.1	15.8
3rd	43.1	-67.7	17.4	-69.5	11.8	-85.5	-0.9	-71.1	12.1	-8.3
4th	-3.2	-0.6	-14.9	18	-22.3	25	-28.6	28.2	-6.2	-22.5
5th	-20.5	34.6	-62	106.5	-96.8	155	-98.7	155.2	9.9	12.9
6th	10.2	5.7	1.4	-4.2	-4.4	-10.3	-12	-14.5	0.1	1
7th	-9.4	-14.1	3.6	1.3	8.8	8.3	2.5	9.4	-5.1	-4.6
8th	0.4	0.7	-1	6.3	-1.5	4	0.2	-2.7	3.6	-2.9
9th	-1.6	-13.1	-2.5	-6.4	0.6	-0.8	3.7	8.7	3	2.1
10th	13.3	-8.1	11.7	-9.9	3.5	-3.7	-9.1	7.7	-1.1	1.1
11th	13	13.9	23.2	10.3	4.8	2.4	-14.9	-8.2	0.2	-3.5
12th	-0.3	-2	0.2	-5.1	-0.9	-1.1	-0.4	2.4	-2	-0.6
13th	-4.6	-6	-11.8	-12.4	-10.4	-4.9	2.1	3.7	0.1	1.9
14th	0.7	0.1	0.4	-4.4	-0.9	-3	0	0.7	0.3	-1.3
15th	-0.6	0.7	3.4	0	10.9	-8.6	0.4	-0.2	-0.8	-0.3
16th	-0.1	0.2	-8.4	-3.2	-4.3	-0.1	-1.7	-2.8	-1.8	0.5
17th	0.5	-1.8	0.8	0.5	1.4	0	0.6	1.9	1.6	-0.3
18th	2.1	-0.3	-0.6	0.5	-3.8	-2.4	-1.3	1.4	-0.9	0.9
19th	2.8	1.8	-2.3	0.6	-5.6	0.8	-4	0.3	-0.4	0.7
20th	9.4	4.8	-4.3	-0.6	-18.2	2.5	-10.4	0.3	3.1	-0.6

D-484

RUN 51   PT 16

V/OR = 0.029   ALFS,U = -4.99   CLRH/S = 0.064418   CTH/S = 0.064603
VKTS = 11.8   MTIP = 0.604   CXRH/S = 0.004940   CP/S = 0.004178

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	164.6		15.8		43.6		57.1		68.8	
RMS	47		25		18.3		67.8		30.9	
1/2 P-P	108.4		59.4		33.6		116.7		62.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-35.7	51.8	-26.2	15.7	-20.3	-2.4	-90.6	-12.2	-19.9	-3.4
2nd	2	5.8	0.2	1.9	0	0.4	-17.6	-6.6	-35.3	1.7
3rd	1.8	7.4	-3.1	8.1	-6.3	9.6	-13.2	12.4	-8	2.7
4th	-1.2	-2.9	-2.9	-2	-2.9	-1.6	3.1	2.5	9.4	-2.4
5th	4.5	-8.9	1.1	-9.8	0.1	-8.7	0.6	8.5	5.5	0
6th	-2.5	0.2	-2.9	0.5	-2.8	0.3	2.2	-0.3	-0.8	1.5
7th	-6	-3.2	-5.3	-0.2	-3.2	0.6	1.3	-1.5	-4.5	2.3
8th	-2.5	-0.1	-2	1	-0.9	0.3	-0.3	0	-1	0.2
9th	-2.9	3	-1.8	3.3	-0.8	0.9	-1	1.7	1	-1.1
10th	0.1	1.2	-0.1	1.1	-0.6	-0.1	-0.1	0.8	0.5	-0.6
11th	13.7	1.3	7.7	-1.9	-0.8	-0.6	4.7	-1.5	-3.6	1.5
12th	0.9	1.6	0.7	0.5	-0.2	-0.9	0.5	-0.2	-0.7	0.4
13th	0.4	-2.2	-0.1	-1	0	0.3	0.1	0	-0.3	-0.6
14th	0	-3.1	-0.4	-0.8	0.4	1.3	0.5	0.9	-0.2	-1.2
15th	-1.2	1.6	0.2	1	0.3	-0.6	0.3	-0.9	0	0.9
16th	-2.4	-1.8	-0.9	0.2	1.2	0.2	1.6	0.3	-1	0.2
17th	0.1	0.8	0	-0.1	-0.1	-0.8	-0.2	-0.3	-0.3	-0.1
18th	0.6	1.3	0.3	0	-0.5	-0.3	-0.5	-0.2	0	-0.5
19th	0.4	-1	0	0	0.2	0.8	0.2	0.2	0.1	0.6
20th	0.6	-2.1	-0.3	-0.3	0.3	0.7	0.3	0	0.2	1.1

D-485

RUN 51 PT 16

V/OR = 0.029 ALFS,U = -4.99 CLRH/S = 0.064418 CTH/S = 0.064603
VKTS = 11.8 MTIP = 0.604 CXRH/S = 0.004940 CP/S = 0.004178

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	19.3		688.8		238		1126.9		-138.8	
RMS	281.4		190.4		163.8		118.6		95.9	
1/2 P-P	473.8		383.6		371		266.9		159.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-181.8	347.7	-89.8	241.5	-16.4	210.1	40.2	131.4	-17.5	128.7
2nd	-3.4	-12	-5.4	-13.1	-1.5	-10.6	1.3	-7.7	28	11.7
3rd	55.2	-3.5	36.6	-13.3	32.8	-23.7	21.2	-22	13.3	9.9
4th	1.5	-1.7	-4.1	7	-5.1	10.8	-7.8	12.4	0.3	-11.8
5th	-14.5	14.5	-46.4	30.9	-70.4	40.2	-76	32.8	2.9	-0.1
6th	3.6	1.8	2.8	-1.6	3.8	-3	-0.6	-3.1	3.2	2.1
7th	5.4	-20.2	5.1	-4.1	4.4	8.7	-3.8	20	-1.7	-1.9
8th	0	-0.6	1.2	-1.2	1.2	-0.9	-1.2	0.7	0.8	0.8
9th	12.7	-3.2	8	-6.8	1.6	-2.5	-8.5	5.2	0.3	-1.3
10th	6.4	0.8	4.3	-1.8	1.6	-0.6	-4.1	1.1	0.9	-0.1
11th	-13.5	6.3	-20.8	10.1	-2.9	3.7	15.1	-5.7	-0.8	0.6
12th	-0.5	-0.9	-2	-2.1	-0.4	0.5	0.7	1.6	-1.2	0.4
13th	3.3	-3.2	3.9	-6.1	2.3	-6.5	-1.1	0.9	-0.1	1
14th	0.2	-0.2	4.4	1.8	3	-2.5	-0.2	0	0.7	-2.2
15th	0.3	-0.5	0.5	1.2	-0.4	5.6	0.7	0.5	-2.7	-0.7
16th	-0.2	-0.7	6.2	-2	2.5	-2.5	1.9	0.4	2.6	-0.6
17th	0.8	0.8	-0.5	-0.9	-0.6	0.1	-0.8	-0.7	-0.4	-2
18th	0.2	1.8	0	-1.6	1.8	-1.9	-0.2	-2.1	-0.7	-1
19th	-0.6	-1.1	0.6	1.4	1.5	0.1	1.3	1.6	0.5	-0.6
20th	-6.2	6.4	2.2	-1.3	2.7	-16.6	4.2	-7.3	0.6	-0.2

D-486

RUN 51   PT 17

V/OR = 0.020   ALFS,U = -4.99   CLRH/S = 0.064806   CTH/S = 0.065017
VKTS = 7.9   MTIP = 0.606   CXRH/S = 0.005253   CP/S = 0.004602

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	166.9		16		43.5		36.9		75.5	
RMS	32.8		20.3		15.3		47.3		30.7	
1/2 P-P	82		47.9		39.7		78.1		54	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-16.7	31.9	-15.4	9.2	-12.5	-3.1	-62.8	-9.9	-39.8	-1.6
2nd	3.8	0.4	2.6	-0.1	1.9	-0.2	-1.2	-0.6	-11.6	1.1
3rd	-1.1	3.8	-4.5	4.8	-6.6	6.3	-7.6	10.5	6.4	0.8
4th	5	-2.6	4.5	-2.4	5.2	-1.8	-3.4	0.6	-2.4	1
5th	-7.6	12.4	-3.8	12.5	-2.4	10.5	4.9	-11.2	-2.9	-3.1
6th	-1.6	-1.8	-1.5	-1.3	-1	-0.4	1.9	0.4	-1.7	-0.7
7th	-6	-8.4	-5.6	-4.9	-3.4	-1.8	2.1	-0.5	-3.1	-1.8
8th	-1.2	0.4	-0.4	0.7	-0.5	0.3	0	0	0.3	0.5
9th	0	0.2	-0.2	0.3	-0.6	0.2	0.1	0	-1.2	0.4
10th	1.3	-0.2	0.7	-0.4	-0.7	-0.4	0.7	-0.3	-0.3	-0.1
11th	-9.6	-12.9	-7.2	-5.1	1	1.1	-4.5	-2.8	4	2
12th	2.2	-1.4	0.8	-1.1	-0.6	0.4	0.2	-0.3	0	-0.1
13th	1.8	-0.4	0.7	-0.8	-0.6	0.1	-0.2	-0.3	0.9	-0.3
14th	2.6	-0.1	1.1	-0.3	-1.1	0.2	-0.5	0.2	1.1	-0.1
15th	-0.7	0	-0.5	0	0.1	0.2	0.3	-0.2	-0.4	0.1
16th	-0.7	-0.1	-0.1	0	0.4	-0.2	0.4	-0.1	-0.1	-0.1
17th	0.7	0.8	0.5	0	-0.5	-0.7	-0.6	-0.2	0.3	0
18th	0.8	0.2	0.2	-0.2	-0.6	0.1	-0.3	0.1	-0.4	-0.3
19th	0	-0.5	0.2	-0.1	0.1	0.3	-0.1	0.1	0.4	0.3
20th	0	1.7	0.2	-0.1	-0.2	-1.1	-0.1	0.3	-0.3	-0.7

D-487

RUN 51 PT 17

V/OR = 0.020 ALFS,U = -4.99 CLRH/S = 0.064806 CTH/S = 0.065017
VKTS = 7.9 MTIP = 0.606 CXRH/S = 0.005253 CP/S = 0.004602

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	34.7		712.4		265.9		1166.5		-138.7	
RMS	159.2		110.1		99.5		75.9		66	
1/2 P-P	303.7		244.7		234.2		177.3		112.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-89.3	198.2	-37.6	136.9	9.3	123.7	40.8	77.9	12.2	89.3
2nd	-7.6	-14.8	-9.8	-11.4	-11.4	-9.9	-8.7	-6.8	8.7	-0.8
3rd	40.9	2.4	30.2	-5.8	28.2	-14.8	19.3	-14.1	2.6	1.9
4th	-2.1	4.2	6.1	8.1	9.9	9.3	14.7	6.2	6.6	-3.5
5th	-11.7	-23.4	-19.8	-26.3	-26.1	-32.8	-26.3	-18.6	-15.7	0.2
6th	2.6	3	-4.2	-0.1	-9	-2.8	-13.1	-6.9	0.6	2
7th	1.2	-7.9	2.8	2.4	0.8	6.9	-6.8	4.8	-1	-0.5
8th	0.3	-1.5	-0.3	-1	-0.9	0.1	-1.6	1.7	-2.3	-0.5
9th	4	1.1	2.4	0.1	0.7	-0.6	-1.9	-0.2	0.4	0.6
10th	5.3	1.3	3.4	0.5	1.3	-0.1	-2.8	-1	0.3	-0.6
11th	1	16.7	14.6	21.3	0.1	3.5	-10.1	-14.5	-0.2	-1.4
12th	-3.2	0.5	-4	2.9	-1.1	-0.4	1.8	-1.5	0.3	-0.5
13th	-1.9	-5.4	-6.7	-6.4	-2.9	-5.9	1.6	1.1	0.4	0.6
14th	-0.5	0.3	0.1	1.6	4	-0.4	0.2	0	0.6	0
15th	0.5	-0.2	0.3	1.2	-1	1.9	-0.2	0.2	1.3	0.6
16th	-0.1	0.4	0.9	-1.6	0	-1.9	0.4	-0.3	1	0.6
17th	-0.5	0.2	-0.8	0.4	1.5	0.5	-0.5	0	-0.2	0.1
18th	0.5	-0.4	-0.3	1.6	0.1	1.6	-0.8	1.5	-1.9	0.1
19th	-2.2	1.4	0.8	-1.2	1.2	-3.6	1.8	-1.3	0.9	0.4
20th	-4.4	3.8	0.6	-2.2	4.1	-7.9	1.7	-8	0.4	-0.5

D-488

RUN 51   PT 18

V/OR = 0.011   ALFS,U = -4.99   CLRH/S = 0.064326   CTH/S = 0.064533
VKTS = 4.5   MTIP = 0.604   CXRH/S = 0.005180   CP/S = 0.004830

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	167.4		14.3		40.6		31.1		73	
RMS	42.8		31.2		24.9		39.2		23.2	
1/2 P-P	172.2		116.5		72.5		112.2		58.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-17.6	21.1	-16.1	5.3	-13.7	-3.8	-31.9	-5	-20.9	2.5
2nd	2.2	2.5	4.3	3.4	4.2	3.9	27.5	-1	9.9	-6.1
3rd	-5.4	-4.9	-9.7	-3.1	-12.9	-3.4	-15.5	-7.2	6.5	-1.2
4th	1.9	-11.9	-0.5	-11.9	-0.2	-11.8	-5.9	0.7	1.9	8.4
5th	6.3	8	6.8	4	7.2	2	-9.1	-5.2	0.2	3.1
6th	-3.3	1.9	-1.6	2.3	-0.3	1.3	-0.1	-1.1	-0.1	1.7
7th	-2.1	2.4	-1.8	2.5	-1.5	1.3	0.4	-0.2	-0.9	1.6
8th	-6.1	-9.9	-6.2	-6.2	-2.9	-2.8	-0.8	-0.6	-2.2	-1.8
9th	0	-1.6	-0.2	-0.9	-0.4	-0.5	-0.4	0	0.7	-0.5
10th	1.3	0.7	0.4	0.2	-0.5	-0.5	0.8	0.4	-0.2	-0.6
11th	7.6	8.2	5.3	2.9	-1	-1.5	3.5	2	-2	-1.9
12th	-5.8	3.2	-2.2	2.4	0.8	-0.9	0.1	1.2	0.3	-0.8
13th	-4.2	-0.7	-1.6	0.9	0.9	-0.2	0.4	1.1	-0.3	-0.6
14th	-2.5	-0.9	-1.5	0.2	0.2	0.2	0.7	0.5	-0.4	-0.1
15th	-3.3	-0.4	-1.4	0.6	1.2	0	1.2	-0.1	-0.5	0.4
16th	-1.3	0.6	-0.1	0.4	0.5	-0.5	0.2	-0.5	0.5	0.9
17th	-1.8	-0.3	-0.5	0.3	0.8	-0.2	0.9	-0.3	0.7	0.5
18th	-1.9	-0.6	-0.4	0.3	0.8	0.1	0.7	-0.4	1.4	0.4
19th	-3.3	-1.5	-0.3	0.4	2	0.2	0.5	-0.4	2.8	0.2
20th	1.8	-3.3	-0.4	0.4	0.1	2	0.3	-1.1	0.5	2.3

D-489

RUN 51 PT 18

V/OR = 0.011
VKTS = 4.5

ALFS,U = -4.99
MTIP = 0.604

CLRH/S = 0.064326
CXRH/S = 0.005180

CTH/S = 0.064533
CP/S = 0.004830

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	68.9		741.3		299.5		1190.9		-135.5	
RMS	111.8		108.7		115.9		112.3		51.1	
1/2 P-P	249.7		286.3		268.1		273.9		112.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	23.7	124.9	40.5	87.3	61.5	84.1	58.1	59.2	17.6	60.5
2nd	-29.3	-16	-31.4	-6.7	-35.7	-1.6	-36.4	9.5	-11.5	0.1
3rd	57.6	-13	53.3	-24.6	61.8	-29.1	51.1	-26.7	-0.5	-5.7
4th	8.2	4.2	4.9	-12.8	3.4	-22	-1.5	-33.8	9.4	-12.4
5th	1.4	-4.5	0.9	-38.8	0.2	-63.1	6.7	-68.1	-1.1	7.8
6th	-5.5	-3.9	3	1.3	9.4	4.7	10.5	11.2	-1.3	-2.1
7th	5.8	-8.3	0.9	-4.5	-2	2.6	-6.7	11.9	0.1	0.4
8th	-1.1	3.8	4.1	7.5	1.9	3.6	-6	-6.4	-1.5	-1.6
9th	0.6	0.8	0.2	0.8	-0.8	-0.3	-1.7	-2.3	0.3	-1.1
10th	2.5	0.7	0.5	-0.3	0.2	0.7	-1	0.1	-0.3	-0.3
11th	-6.1	-5.7	-15.2	-8	-1.9	0.3	10.2	6.3	-0.5	0.3
12th	5.9	-1.2	9	-7.2	1.5	0.3	-5	3.6	-0.1	0.3
13th	1.5	2.6	6.1	2.4	-0.2	2.8	-2.2	0.9	-0.2	-1.3
14th	1.2	-1	1.8	-0.5	-2.6	1.2	-1.5	0.9	1.3	-0.1
15th	0.5	-0.9	0.1	-0.8	-4.8	1.3	-0.5	1.2	-0.1	-1.4
16th	0.2	-0.7	1.6	-0.3	1.1	2	0.7	0.8	-1.6	-0.3
17th	0.8	0	0.1	0.1	-3.1	1.1	0.9	0.8	0.2	-0.3
18th	0.6	-0.7	1	-0.8	-2	0.9	1.9	1.1	-1.1	1.3
19th	0.8	1.3	0.6	-1.1	-7	-1.4	2.8	-0.6	-2.4	0.4
20th	0.1	1	-0.3	0.6	-3	-5.9	-0.7	4	1	-0.2

D-490

RUN 32   PT 7

V/OR = 0.252	ALFS,U = -2.00	CLRH/S = 0.065259	CTH/S = 0.065272
VKTS = 100.5	MTIP = 0.605	CXRH/S = 0.001518	CP/S = 0.002357

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	152		-3.5		19.6		-75.3		-2.7	
RMS	44.9		45.7		61		88		26	
1/2 P-P	111		92.8		105.1		161.6		73.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	26.7	18	29.6	-33.3	37.3	-64.3	48.1	-83.1	-8.9	-22.9
2nd	0.7	19.6	-7.3	28.2	-12.2	35.5	-51.4	34	-10.6	12.3
3rd	11.1	-6.6	13.4	-7.7	14	-3.8	5.6	42.3	-3.2	10.1
4th	7.6	0.8	6.3	-1.2	1.9	-2.4	-1.1	13.3	2.3	5.1
5th	6.9	7.3	9.4	8.7	6.6	9.8	-8.7	-11.4	2.3	-3.3
6th	-1.9	4.6	-1.1	4.6	-1.3	3.2	0.4	-5.5	-2.2	-4.1
7th	2.7	16.3	4.2	10.7	0.7	4.9	-0.9	-1.6	-4.5	1.2
8th	-21	14.7	-10.8	12.8	-3.5	4	-6.8	0.2	-2.1	2.9
9th	-5.8	8.4	-1.4	6.4	0.5	1.1	-4.1	4.1	5.1	-2
10th	11.9	6.9	8.1	1.8	0.3	-0.4	4.7	3.1	-0.7	-3.9
11th	16.6	24.7	14.4	9.2	-0.5	-2.6	8.4	4.8	-8.1	-3.7
12th	1.4	-1.8	0.6	-1.6	-0.2	-0.1	-1.1	-1.6	-0.7	3
13th	5.3	-10.4	1.5	-4.9	0.1	3.2	-0.5	-0.1	2.4	-0.2
14th	4.2	-7.4	-0.1	-3.4	-0.3	2.9	0.1	2	1.4	-4.2
15th	-4.6	-1.4	-2.2	0.2	1.8	0.1	3.1	0.3	-4.7	0.1
16th	-5.3	-2.4	-1.7	0.9	2.4	0.1	3.7	-0.3	-4.2	2.6
17th	-1.5	-1.2	-1	0.2	0.8	-0.3	1.3	-0.8	0.1	1.2
18th	3.7	2.6	0.4	-0.1	-1.7	-1.1	-1.3	-1.5	0.8	-2
19th	8.7	6.8	-0.1	-1	-5.2	-0.8	0	-0.4	-5.3	-2.7
20th	-4.2	12.3	0.4	-0.7	-1.6	-6.8	1.4	1.3	-2.5	-6.1

D-491

RUN 32   PT 7

V/OR = 0.252   ALFS,U = -2.00   CLRH/S = 0.065259   CTH/S = 0.065272
VKTS = 100.5   MTIP = 0.605   CXRH/S = 0.001518   CP/S = 0.002357

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-14		703.6		368.9		1346		-96.2	
RMS	350.1		301.8		362.1		309.9		118.5	
1/2 P-P	570		544.1		612.3		582		192.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-47	484.3	-97.5	390.5	-179.1	431.4	-186.6	324.3	70.3	145.6
2nd	34	-38.8	42.9	-63.4	67.5	-116.6	76.3	-122	18.2	12.4
3rd	-48.1	-23.7	-69.6	4.5	-89.1	16.2	-75.6	-7.3	11.9	-18.3
4th	10.3	5.4	19.4	24.2	33.4	45.7	35.8	43.4	-7	-6
5th	-24	-14.9	-2.2	56.4	13.1	108.3	32	131.5	-10.7	-9.5
6th	-5.8	-8	-13.5	4.5	-17.8	11.8	-25	16.5	-8.2	0.2
7th	3.5	-7.4	1.7	-8	8.4	2.6	6.1	16.1	-5.1	3.6
8th	8.5	-2.8	17.7	-16.6	8.7	-9.7	-15	5.4	-8.8	1.7
9th	-2.6	22.8	4.4	2.8	2.7	-7.3	-1.3	-13.9	6.4	5.2
10th	-4	2.9	-12.1	0.4	-0.5	0.5	10.8	2.5	-1.9	2.8
11th	-26.8	-25.1	-46.3	-30.4	-8.7	-4	31	25.2	-2.7	0.8
12th	-4.7	6.9	-1.4	10.8	1.1	4.1	1.4	-6	9.5	3.3
13th	12.9	1.9	23.6	4.3	18.5	-9.4	-5	-3.9	-1.4	0.5
14th	0.6	1.1	4.4	5.9	3.9	-6.9	-1.1	-0.5	7.8	-4.6
15th	0.2	-1.7	8.3	1.8	-0.2	3.4	-0.1	2	4.5	2.4
16th	0.9	-1.6	3.4	-4.7	-5.5	-3.3	1.8	0.5	-2.5	-12.6
17th	3	0.5	0.5	1.8	-5.1	5.1	-0.5	-0.7	-5.5	3.5
18th	2	-3.3	-4.1	1.5	1.1	8.5	-3.5	0.4	-8.7	0.8
19th	4.9	-1.6	-8.1	2.4	3.9	6.8	-16.3	1.7	-1.4	4.8
20th	13.4	-5.4	-6.1	-1.3	-9.1	31.4	-15.1	-4.1	-2.8	1.5

D-492

RUN 32   PT 8

V/OR = 0.201   ALFS,U = -2.00   CLRH/S = 0.065914   CTH/S = 0.065939
VKTS = 80.3   MTIP = 0.606   CXRH/S = 0.001866   CP/S = 0.002395

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	154		-0.8		21.8		-69.3		-1.8	
RMS	50.7		35.8		43.6		75		28.2	
1/2 P-P	127.3		83.5		82.3		140.8		82.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	16.5	25.1	16.3	-21.1	20.4	-47.7	23.1	-65.4	-6.7	-17.9
2nd	1.4	11.2	-8.4	13.8	-16.6	18.2	-54.8	23.8	-13.8	8.3
3rd	3.4	-6.4	4.2	-3.5	3.4	3.2	2.9	44.7	-3	9.5
4th	-4.8	-8.5	-5.2	-7.6	-5.6	-4.9	1.4	7.9	7.8	1.9
5th	2.1	8	4	9.6	2.7	11.8	-3.1	-14.7	0.3	-6.6
6th	-2.6	3.5	-1.2	3.4	-0.6	2.3	4.1	-5.9	-5.7	0.1
7th	12.4	8.8	9.4	4	5.2	1.2	-1.9	-0.9	2	3.6
8th	6.9	22	7.6	13.6	3.8	4.7	-2.9	2.8	8.4	1.8
9th	7.7	6.5	7.8	0.5	3.3	-1.2	1.2	0.3	3.4	-3.6
10th	9.8	-3.5	5.8	-5.1	0.7	-1.7	4.9	-5.3	-5.5	3.4
11th	11.1	-46.5	-1.6	-26.2	-0.2	4.9	-0.1	-17.7	-2	17.2
12th	17.9	-12.6	5.7	-9.1	-2.7	2.8	1	-2.9	0.9	2.3
13th	5.2	-4.1	0.5	-2.5	-1	1.3	-1.2	1.9	2	-4.4
14th	-8.4	1.9	-1.5	2.3	3.7	-1	3.2	-1.2	-4.4	-0.5
15th	-19.1	2.1	-5.2	5	7.2	-2.6	7.9	-6.1	-7.6	7.3
16th	2.4	-2.7	0.4	-1.6	0.5	0.6	-0.7	0.1	2	2.7
17th	2.6	8.5	1.4	0.1	-1.5	-3	-2.7	-1.5	2	-0.3
18th	-0.6	8.5	0.3	0.1	-1.2	-3.6	-0.9	0	-2.1	-4.3
19th	-3.8	-2.4	-0.8	-0.4	2.7	0.7	0.5	0.8	-0.1	-0.5
20th	16.3	-2.7	-2.1	-1	-6.6	6	0.9	0.2	-7.9	6.7

D-493

RUN 32   PT 8

V/OR = 0.201   ALFS,U = -2.00   CLRH/S = 0.065914   CTH/S = 0.065939
VKTS = 80.3   MTIP = 0.606   CXRH/S = 0.001866   CP/S = 0.002395

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-20.2		691.4		361.5		1335.5		-84.1	
RMS	338.5		281.8		315.5		269.5		124.3	
1/2 P-P	541.3		522.3		603.2		530.2		391.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-54.6	467.8	-76.4	365.1	-116.8	381.7	-127	278.3	56	155.4
2nd	35.2	-18.1	42	-36.7	76	-70.7	86.2	-77.7	23.7	8.7
3rd	-16.1	-57.6	-36.2	-32	-45.1	-35.2	-38.3	-41.8	10.8	-25.4
4th	14.3	8.4	26.7	34.1	36.1	51.2	33.9	40.4	-17	-16
5th	-6.1	-3.9	27	75.3	47.5	130.5	61	152.1	-12.9	0.3
6th	-2.5	-8.9	-5.6	8.4	-8.3	22.6	-9	23.8	1.8	11.6
7th	-4.6	5.9	-5.7	0.3	-3.4	0.1	12.9	-3.4	0.4	6.3
8th	-1.9	-1.8	-4.4	-13.3	-0.7	-8.8	5.3	5.1	1.8	5.2
9th	-14.2	28.8	-8.9	15.3	-1.5	0	10.4	-24.6	-3	1.3
10th	-6.1	13	-7.4	14.3	-0.6	4	14.3	-17.1	1.9	4.6
11th	-21.4	18	-11.2	58.3	-7.8	2.3	9.1	-44.4	5.3	-4.7
12th	-11.3	4.7	-20.7	22.9	-3.6	-0.8	7.5	-12	1.6	2.6
13th	1.7	-4.4	-1.2	0.3	1.2	-5	-0.6	-0.3	8.8	-10.6
14th	-1.1	-1.8	8	-2.2	-4	5.7	3	-0.1	-4.8	-11.9
15th	2.4	-2.8	8.3	-6.3	-21.1	12.3	5.2	1.2	-2.3	-12.1
16th	1.2	0	-0.7	-3.1	-3.5	-8.2	2	-1	-18.6	6.2
17th	1.5	-1.4	-5.1	-0.7	0.8	11.9	-2.4	-4.3	-3.6	4.3
18th	1.9	-1.6	-2.8	-3.2	0.4	8.9	-3.6	-7.4	6.5	12.6
19th	4.1	-3.5	2.1	4.3	-8.3	7.9	3.7	6.2	1.1	2.4
20th	4.7	7.4	-6.8	5.7	-2.3	-18.4	-25	9.7	7.8	1.7

D-494

RUN 32   PT 9

V/OR = 0.150   ALFS,U = -2.00   CLRH/S = 0.065772   CTH/S = 0.065799
VKTS = 60.1   MTIP = 0.606   CXRH/S = 0.001924   CP/S = 0.002518

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	155.3		-0.4		24.1		-57.5		-0.1	
RMS	37.2		24.6		34.2		65.7		24	
1/2 P-P	85.7		68.7		68.2		131.3		55.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	1.8	32.8	-0.9	-8.3	-2.4	-29.9	-7.6	-48.1	-6.7	-13.6
2nd	1.6	4.6	-11.1	4.6	-20.8	7.7	-50	14.2	-19.5	6
3rd	-5.1	0.9	-6.9	9.1	-10.7	17.6	-11.5	52.5	-1.7	10.6
4th	-18.4	-12.7	-16.4	-6.1	-14.9	-1.9	9	8.5	13	-0.4
5th	-6.2	7.2	-4.6	10.2	-3.5	13.1	5.8	-17.5	-0.3	-5.8
6th	-9.5	5.9	-6.6	5.1	-5.1	3.8	2.7	-6.3	-7.7	2.6
7th	-6.2	11.2	-2.1	8.3	-0.6	3.1	-1.2	1.7	-1.3	3.5
8th	-8.6	8.9	-4.7	7.2	-0.9	3.6	-1.5	2.4	3.1	-0.7
9th	-1	4.4	1.2	3	-0.3	2	-1.6	1.5	2.3	-1.2
10th	5.4	5.2	4.7	1.6	-0.4	-1.1	2.6	1.7	-2.9	0.1
11th	7	20.4	7.7	9.5	-0.7	-2.1	6.8	4.8	-5.4	-3.2
12th	3.1	0.1	2	-0.3	-0.5	0	1.8	-1.2	-1.8	-0.3
13th	3.6	-1.7	1.1	-1.8	-1.5	0.7	-1.4	0	0.8	-0.7
14th	1.3	-0.1	0.4	0	-1.1	0.5	-1.5	1.8	2.3	-1.5
15th	-10.7	-1.3	-3.2	1.5	3.8	-0.2	3.4	-0.6	-2.8	0.3
16th	2.9	-5	0.2	-1.9	-0.7	2.7	0.1	2.6	0	-0.8
17th	0.6	1.9	1.1	-0.4	-1	-0.5	0	-0.6	-0.3	1.2
18th	-3.1	3.3	0.1	0.5	0.4	-2.1	0.1	-0.8	0.3	-1.2
19th	-6	0.3	-0.1	0.3	2.5	-1.1	-0.6	0.6	3	-2.6
20th	3.2	-2.5	-0.6	-0.2	-0.8	1.8	-0.2	0.5	-0.8	1.9

D-495

RUN 32   PT 9

V/OR = 0.150   ALFS,U = -2.00   CLRH/S = 0.065772   CTH/S = 0.065799
VKTS = 60.1   MTIP = 0.606   CXRH/S = 0.001924   CP/S = 0.002518

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-14.6		694.2		359.1		1331.7		-84.2	
RMS	325.1		260.4		276.6		231.9		122.1	
1/2 P-P	574.9		548.9		587		478		232.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-81.6	437.3	-65.3	327.7	-52.3	319.9	-53.4	220.3	34.9	157.8
2nd	42	-29.7	47.8	-40.8	89.6	-63.5	91.4	-67.1	28.5	0.5
3rd	20.3	-92.4	-3.1	-77.1	-2.2	-94.2	-16.8	-85.1	15.2	-26.2
4th	11.7	13.9	25.2	50.9	35.1	68.7	20.7	72.6	-25.4	-26.2
5th	-2.1	4	20.6	83.3	29.7	134.8	32.3	161.4	-8	7.2
6th	0.7	-6.4	-0.8	9.2	-1	21.8	-14.3	28.9	-4.2	15.3
7th	-15.7	3.4	0.2	-3.6	10.4	-1.8	14.8	3.9	-2.4	7.3
8th	6.7	3.1	12.5	-6.4	5.1	-8.8	-3	2	3.7	-1
9th	-21	2.1	-9.8	0.4	4.7	-5.1	15	-1	-3.4	-1.6
10th	-14.2	0.7	-16	-1	-0.2	2.2	13.8	0.4	-2.9	-1.8
11th	0.5	-29.5	-19.5	-41.5	-4.1	-9.4	15.4	24.8	-2.9	0.8
12th	-0.1	-12.6	-9.3	-12.9	-3.9	-9.4	5.5	4.3	1.3	-0.3
13th	-0.3	-3.9	-6.7	-0.5	0.6	-3.6	-1.2	-1.9	-1.5	2.8
14th	0.5	-0.7	0.8	5.9	4.9	5.7	-1.7	-2.1	6.9	-0.8
15th	0.4	-1.4	2.9	-5.3	-12.1	-1.7	3.3	-0.3	-2.7	-3.8
16th	0.6	0.1	3.4	7.3	4.8	-2.9	1	3.5	-1.2	2.1
17th	1.2	1.5	-3.4	-0.3	-1.1	0.4	-2.5	-1	-2.4	-1.6
18th	-0.9	0.3	3.1	-3.5	3.8	2.2	3.1	-4.3	2	1.1
19th	8.7	2	-3.6	-1.1	-19.8	5.7	-1.9	-2.8	0	-0.8
20th	-2.2	9.4	-1.3	-0.8	-3.1	-18.5	-4.4	-5.3	3.6	1.7

D-496

RUN 32   PT 10

V/OR = 0.125   ALFS,U = -2.00   CLRH/S = 0.065103   CTH/S = 0.065132
VKTS = 50.1   MTIP = 0.606   CXRH/S = 0.001975   CP/S = 0.002646

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	155		-0.5		26.3		-51.3		2.4	
RMS	50.6		36.9		38		70		27.3	
1/2 P-P	114.3		95.9		81.3		139		65.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-2.7	36.6	-7.4	-2.1	-10.3	-21.7	-21.7	-40.9	-8	-12.6
2nd	0.4	3.7	-12.5	0.3	-20.8	1	-49.9	7.9	-23	4.7
3rd	-17.1	6.2	-18	16.8	-19.8	24.6	-20.7	60.9	-1.5	11.7
4th	-26.3	-18	-24.5	-7.7	-21.6	-2.1	14	7.6	16.4	-1.1
5th	-4.7	8	-2.4	10.9	-2.4	12.9	4.3	-19	0.1	-6.4
6th	-17.1	9.3	-12.6	10.3	-7.2	7.1	7.2	-9.2	-7.8	2.3
7th	-15.9	2.8	-10.7	3.8	-5.1	2	-0.2	-0.8	-4.5	2.6
8th	-3.4	21.6	1.4	15.4	0.1	4.9	-2.9	4.7	3.2	2.7
9th	-5.4	11.4	-0.3	9.6	1	3.3	-1.1	4.2	2.8	-1.1
10th	-1.2	0.7	0	0.2	0.3	-0.4	0.8	-1	-0.5	-0.5
11th	32.6	10.9	18.7	-0.2	-4.2	-2.2	10.6	-1.1	-10	1
12th	-1.6	7.3	0.6	3.7	0.4	-2.1	-0.2	2.2	-0.2	0.2
13th	-1.9	-3	-1.6	-1.1	1	0.9	-0.1	0.1	0.8	-0.3
14th	5	-4.9	-0.6	-2.2	-2	1.9	-1.3	0.9	2	-3.3
15th	1.6	2.8	1.4	-0.1	-0.8	-1	-0.8	-1.1	0.1	0.2
16th	-4.8	-1.3	-1.1	1.1	2.2	0.2	2.6	0.4	-2.1	1.2
17th	0.6	-3.3	-0.1	-0.7	0.4	1.6	0.1	2.4	0.6	0
18th	2.4	1.6	0.7	-0.3	-1.4	-0.3	-1.1	0.1	0.5	-0.9
19th	-0.9	7.3	0.6	0.1	-1.5	-3.3	-0.1	-1.4	-1.3	-3.4
20th	-3.3	-3.7	0.1	0.7	2.5	0.5	0.3	-0.7	2	2.2

D-497

RUN 32   PT 10

V/OR = 0.125 ALFS,U = -2.00 CLRH/S = 0.065103 CTH/S = 0.065132
VKTS = 50.1   MTIP = 0.606   CXRH/S = 0.001975 CP/S = 0.002646

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-2.2		701.3		356.5		1322.1		-87.3	
RMS	323.2		253.7		263.4		222		126.2	
1/2 P-P	582		552.1		595.3		504.6		241.5	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-71.9	433.9	-44.4	316.7	-15.6	297.9	-8.7	197.3	27.5	161.7
2nd	31.6	-4	43.7	-18	85.3	-33.7	91.1	-42.6	30.9	5.3
3rd	21.8	-112.8	2.5	-104.8	3.9	-128.7	-12.3	-117	12	-30.5
4th	3.6	5.5	13.5	50	19.1	68.3	-0.6	76.8	-28.5	-36.7
5th	-7.4	4.4	-3.4	83.6	-4.8	134.9	0.7	162	-4.4	11.9
6th	4.7	-11.7	3.3	3.6	-6	18.7	-17.5	30.1	-9.8	12.9
7th	-15.1	-1.2	5.5	1.7	13.8	4.1	5.2	8.8	-4.7	4.9
8th	0.9	2.4	2	-14.4	5.3	-8.3	4.4	10.8	5.7	1.7
9th	-19.8	1.1	-6.7	-6.7	1.8	-4.2	19.6	3.9	-1.8	-1.6
10th	-14.8	4.8	-8.1	5.3	-0.8	2.5	9.8	-3.1	-4.4	-1.7
11th	-16.4	-12.4	-46.6	-10.1	-2.3	-1.2	30.2	7	3.9	3.6
12th	-3.3	-7.6	-8.3	-14.1	-6.2	-2.5	3.1	4.7	1.4	-0.8
13th	-3.4	-5.6	-7.5	-4.2	-9.4	-6.2	3.3	0.6	-1.4	3.7
14th	1	-1.5	-1.9	5.5	2.9	-1.6	-2	1.1	10.4	0.2
15th	-1.4	-0.4	-5.4	-2.6	-0.5	0.3	0.5	-2.2	-5.5	-0.8
16th	0.6	-0.5	6.9	1.3	-1.1	3.1	3.6	1.9	4.3	-4.6
17th	1.9	0.3	0.4	2.9	-3.4	-3.4	0.6	2.7	-3.5	-0.2
18th	-1.1	0.2	0.6	0.6	7	-1	-0.4	-0.5	-0.2	0.2
19th	7.4	-1	-6	-1.6	-5.4	12.8	-9.3	-4.2	-0.2	2.3
20th	2.5	1.7	2	-0.6	-8.7	-1.9	4.2	1.9	3.3	-1

D-498

RUN 32　　PT 11

V/OR = 0.100	ALFS,U = -2.00	CLRH/S = 0.065047	CTH/S = 0.065072
VKTS = 40.2	MTIP = 0.604	CXRH/S = 0.001862	CP/S = 0.002866

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	157.1		1.7		28.5		-41.9		8.4	
RMS	74.3		55.8		49.4		82.2		34.8	
1/2 P-P	176.4		144		110.6		160.6		86.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-10.4	39.3	-17	3.2	-20.5	-14.2	-38.1	-33.9	-10.7	-12.4
2nd	0.6	2.2	-12.7	-2.6	-19.4	-3.8	-52.9	0.5	-28.3	3.2
3rd	-30	14.6	-29.7	28.7	-31.2	37.3	-35.8	72.9	-4.5	13.8
4th	-34	-19.2	-30.4	-6	-26.9	-1.1	16.3	8.4	19.5	-1.1
5th	4.7	5.3	4.9	8.1	4.5	12	-0.5	-16.5	2.2	-8
6th	-26.4	10.4	-20.2	13.1	-12.9	9.5	10.9	-11.5	-7	2
7th	-26.2	-9.3	-20.9	-3	-10.2	-1	0.6	-2.4	-10.9	3.9
8th	-1	33.3	4.6	22.6	2.2	7.6	0.3	6.6	1.6	7.2
9th	-15.6	13.4	-7	12.7	-0.2	4.3	-3.9	6.2	4.5	-4.1
10th	-7.4	-7.4	-5	-2.7	0.2	0.3	-4.2	-2.2	3.7	-2.6
11th	52.5	31.6	32.6	6.5	-5.7	-4.2	20.1	1.4	-16	-0.3
12th	-12.1	8	-3.4	5.2	2.8	-2.4	0.6	0.6	-0.8	4.1
13th	-0.2	-8	-1.6	-2.4	0.3	2.6	0.2	1.9	-1.1	-0.8
14th	15.1	-3.6	2.5	-2.9	-5.8	2.7	-4.9	3.3	4.3	-6.9
15th	3.9	8.3	3.4	1.9	-1.9	-2.5	-3.2	-2.9	3.6	0.3
16th	-3.2	-12.7	-3.7	-2.4	2.8	4.7	4.9	4.8	-0.9	-1.6
17th	6.1	-1.8	1	-1	-2.3	2	-1.5	2.7	0.9	1.9
18th	0.2	4.5	1.1	0.7	-1	-2	-1.1	-0.8	-1.8	-0.3
19th	-7.6	2.3	-0.2	0.5	3.1	-3	0.2	-1	1.8	-4.2
20th	4.5	-1.1	-0.6	-0.3	-1.7	2	0.6	-0.3	-0.7	1.1

RUN 32   PT 11

V/OR = 0.100   ALFS,U = -2.00   CLRH/S = 0.065047   CTH/S = 0.065072
VKTS = 40.2   MTIP = 0.604   CXRH/S = 0.001862   CP/S = 0.002866

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	10.6		706.3		334.8		1310		-96.8	
RMS	320.7		272.4		297.6		273		129	
1/2 P-P	657.4		663.8		669.9		597.2		247.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-29.8	419.7	3.4	299.4	46.6	270.5	46.8	170.6	19.6	158.7
2nd	35.1	12	50.3	-4.7	89.2	-14.6	91.3	-20	40	6.7
3rd	31.9	-151.3	6.5	-150.8	10.1	-190.7	-13.7	-165.3	3.4	-32.4
4th	-8.5	4.3	-13.4	62.7	-18.8	90.9	-40.6	102.8	-32.7	-47.2
5th	-21	15.1	-15.8	133.9	-23	212.4	-6.7	245.7	-0.7	22
6th	14.9	-17.5	7.5	2.5	-6.3	20.5	-34.6	42.5	-11.3	7.5
7th	-7.3	-10.2	13.6	9.5	15	22.5	-10.1	22	-7.5	3.8
8th	7.5	1.9	4.4	-20.9	3	-12.5	5.8	17.5	7	3.5
9th	-9.4	5.1	7.1	-8.5	7.3	-7.2	7.3	4.7	-0.8	-2.6
10th	-9.2	1.1	1.6	6.4	0.9	0.6	1.1	-7.1	-1.7	-9.4
11th	-23.9	-38.8	-79.8	-40.4	-6.6	-8.3	57.2	25.9	4.1	11.3
12th	12.1	-12.6	14.7	-27.4	-0.1	-6.8	-6.7	10.6	-6.3	-6.4
13th	0.7	7.7	5.3	20.9	0.7	7.3	-3.4	-6.4	4.2	6.3
14th	3	-1.4	-4.8	6.3	13.8	-5	-3.3	0.9	20.3	3.6
15th	-0.2	-0.2	-5.3	1.2	7.3	10.7	2.5	-0.2	-11.7	-0.2
16th	2.6	1.2	13.9	7.6	0.4	-9	2.4	4.1	12.5	-4.8
17th	-0.3	-1.6	-2.2	5	6.1	-2.4	-2.4	2.3	3.5	-5.6
18th	-1.2	-1.7	-0.4	-1.4	5.8	5.1	-0.5	-2.6	-1.1	1.6
19th	4	-2.3	2.7	-4.1	-7.7	8.7	4.7	-4.8	-1.4	-1.4
20th	-6.8	-11.4	3.1	5.2	20.9	4.7	8.4	12.4	6.1	5.6

D-500

RUN 32   PT 12

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	160.9		5.9		34.4		-26.6		18.4	
RMS	81.2		66.3		60.5		98		41.3	
1/2 P-P	203.2		174		141.9		189.9		102.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-12	44.4	-22.7	8	-29	-8	-56.7	-27.3	-14.3	-11.6
2nd	5.3	1.8	-7.6	-4.2	-12.5	-6.6	-56.9	-5.2	-33.7	3
3rd	-38.8	23.6	-39.3	39.3	-42.4	48.6	-49.3	87.1	-11.5	16.4
4th	-41.2	-21.7	-37.3	-5.8	-33.2	0.8	25.5	10	22.9	-2
5th	13.2	-1.2	10.3	3.5	8.7	9.8	-8.1	-13.1	8.8	-10.7
6th	-28.3	12.2	-22.3	16.3	-15.4	12.6	11.7	-15	-6	1.7
7th	-32.7	-15	-26.5	-5.5	-12.8	-1.6	6.3	-4.6	-17	6.7
8th	6.4	42.8	10.9	28.5	4.4	9.8	0.5	8.9	1.1	9.9
9th	-17.3	12.1	-8.6	12.6	-1.4	4.3	-7.1	6.9	5.5	-6.4
10th	-6.9	-10.3	-5.1	-3.7	0.6	0.7	-3.4	-4.5	5.4	-1.6
11th	43.2	28.1	27.1	6.9	-4.8	-3.3	17.2	1.9	-12.2	0.6
12th	-8	4.1	-1.5	2.9	2.1	-1.9	1.3	1.1	-2.7	3.4
13th	-0.5	-5.5	-1.2	-0.6	0.2	1.9	-0.6	1.8	-2.4	-1.8
14th	6.2	-1.3	0.7	-0.5	-2.5	1.3	-2.6	1	2.9	-3.6
15th	0.8	5.2	1.8	1	-0.3	-1.9	-0.4	-2.1	3.3	1.4
16th	-3.5	-0.6	-0.7	0.7	1.6	0.1	1.8	-0.2	-0.1	1.2
17th	2.1	1.2	0.7	0.3	-1.3	-0.1	-1.5	0.2	-0.5	0.7
18th	1.9	1.6	1	0.2	-0.8	-0.1	-1.1	-0.5	-0.8	-0.2
19th	0.5	-0.8	0.1	-0.2	-0.1	1	0.2	0.4	0.2	0.3
20th	4.1	-3	-0.6	-0.2	-1	2.3	0.2	0	-0.3	3.5

D-501

RUN 32   PT 12

V/OR = 0.080   ALFS,U = -2.00   CLRH/S = 0.065350   CTH/S = 0.065374
VKTS = 32.0   MTIP = 0.604   CXRH/S = 0.001844   CP/S = 0.003205

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	21.1		705.4		322.7		1285		-108.8	
RMS	324.4		296.2		348.2		334.8		133.8	
1/2 P-P	699.2		755.7		793.4		676.8		251.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	1.7	405.8	39	283	97	249	101.7	150.6	13.6	160.6
2nd	40.4	22	53	4.6	82.3	-1.3	82.1	-5.9	55.9	7.5
3rd	46	-187.8	9.8	-193.8	16.1	-243.7	-15.9	-212.2	2.8	-30.5
4th	-10.1	6.8	-25.5	84.2	-39.7	121.2	-63.7	140.3	-33.2	-56.2
5th	-33.7	21.9	-41.3	178.8	-60.9	283.4	-45	318.8	3.4	26
6th	19.4	-27.2	0.7	0.6	-19.3	23.2	-50.6	53.9	-7.3	0.3
7th	-5.6	-17.9	15	13.1	13.6	31.9	-16.3	34.2	-11.1	4.1
8th	5	-1.4	-1.4	-26.1	3.8	-12.6	13.2	24.1	9.8	3.7
9th	-7.1	-2.3	8.9	-13.1	9.1	-7.2	5.3	8.9	1.8	-1.4
10th	-11.5	-1.7	0.5	8.1	0.9	0.1	2.4	-4.4	-1.2	-10.5
11th	-14.3	-50.9	-64.6	-52.1	-3.5	-13.6	45.7	31.8	3.1	10
12th	23.2	-27.1	19	-44.4	4.1	-20.6	-8.9	15.3	-9.2	-3.4
13th	1.6	14.6	9.6	28.9	3.8	16.4	-4.5	-7.6	6.7	1.2
14th	3	-1	1.9	4.6	8.5	1.4	-3	0.8	10.8	1.5
15th	-0.5	-0.8	-1	2.3	4.5	10.4	2.3	-0.3	-10.7	-0.1
16th	1.4	-0.9	5.8	-2.4	1	0	2.7	0.6	2.5	-2.8
17th	-2	-1.9	0.2	2.5	6	3.1	-0.5	0.8	4.5	-2.6
18th	-2.4	0.2	-1.7	2.2	3.6	1.6	-1.9	1.2	1	0.2
19th	-3.1	2.8	1.8	-2.9	2.9	-10.2	2.7	-3.3	-3.5	-0.9
20th	-11.3	-2.2	3.3	1	16.9	-12.9	10.1	2.6	4.1	1.4

D-502

RUN 32   PT 13

V/OR = 0.061   ALFS,U = -2.00   CLRH/S = 0.065403   CTH/S = 0.065427
VKTS = 24.3   MTIP = 0.605   CXRH/S = 0.001847   CP/S = 0.003598

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	161.1		9.5		41		4		35.5	
RMS	67.7		55.7		54.6		96.4		44.4	
1/2 P-P	159.2		143.8		118.8		182.6		94.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-14.7	49	-24	11.2	-29.7	-5.2	-75	-16	-15.2	-5.8
2nd	7.6	2.6	-2.1	-4	-4.7	-6.9	-64.4	-11.5	-40.3	3.7
3rd	-36	21.7	-35.6	37.1	-39.3	44.7	-37.3	78.5	-21.9	15.4
4th	-36.7	-16.9	-31.9	-2.3	-28.5	3.1	17.2	8.5	22	-6.6
5th	21.9	-15.9	14.7	-11.1	10	-3.2	-9.3	0.7	15.2	-8.5
6th	-21.7	10.9	-18	13.4	-13.6	9.6	13.8	-11.6	-0.8	4.2
7th	-30.9	-17.3	-25	-7.6	-12	-2.6	4	-3	-17	5.4
8th	6.1	14.7	6.3	8.7	2.4	2.7	1.6	3.8	-4.4	3.8
9th	-10.5	6.6	-5.1	7.5	-1	3.1	-3.8	2.6	2.9	-3.4
10th	-7.8	-4.2	-4.9	-0.1	0.3	0.7	-3.6	-0.4	6.4	-2.4
11th	5.6	8.4	3.9	3.8	-1.2	-0.6	3	2.3	-0.7	-1.3
12th	-5.4	1.9	-1.4	1.2	1.3	-1.1	0.1	0	-2.2	1.4
13th	-1.4	0.7	-1.1	1.5	-0.2	0	-0.3	1.3	-1.2	0.7
14th	0.1	3.2	-0.2	1.7	-0.6	-0.7	-0.6	-0.5	1.3	0.9
15th	0.8	-0.9	0.2	-0.2	-0.1	0.5	-0.4	0.5	0.6	-1
16th	2.1	4.9	1.5	0.2	-1.5	-1.7	-2.1	-1.5	1.1	0.4
17th	-1.6	4.2	0.5	1.6	-0.3	-1.9	-0.6	-2.2	0.6	0.4
18th	-0.4	-2.5	0.1	0	0.7	1	0.2	0.4	1.5	0.6
19th	4	-5.7	-0.6	0	-0.6	3.9	0.7	0.4	-0.8	4.8
20th	3.8	5.4	0.1	-0.1	-3.4	-1.6	0.3	0.2	-4.2	-0.2

D-503

RUN 32   PT 13

V/OR = 0.061
VKTS = 24.3

ALFS,U = -2.00
MTIP = 0.605

CLRH/S = 0.065403
CXRH/S = 0.001847

CTH/S = 0.065427
CP/S = 0.003598

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	29.7		705.9		300		1254.6		-138.3	
RMS	320.3		288.7		347		326.5		133	
1/2 P-P	688.6		703.9		826.2		682.9		263.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-37.9	405.8	15	281	85.5	244.9	112.1	148.2	6	162
2nd	29.3	21.3	34.4	7	51.5	5.4	52.8	-1.1	61	13.5
3rd	38.9	-175.6	-2.3	-183.7	-1.2	-229.6	-26.8	-196	3.9	-22.6
4th	-19.8	1.1	-46	67.5	-67.4	98.1	-87.7	116.7	-34.9	-48.6
5th	-44.4	28.7	-90.3	184.4	-133.4	286.6	-119.8	308.5	16.3	22.4
6th	23.8	-16.1	0.5	-6.7	-16.9	3	-46.4	25.9	-0.7	-0.8
7th	-4.4	-12.4	14.5	16.2	11.7	32.3	-16.7	30.8	-11.6	3.5
8th	0.1	6.7	0.5	-4	5.9	-1.9	13.3	4.8	3.9	-0.5
9th	-11.2	1.7	1.7	-5.3	5.9	-5	9.7	3	7.2	-1.6
10th	-4.9	-15.1	2.5	-7.9	0.7	-3.5	-0.8	9.1	4.6	-3.6
11th	14.7	-15.4	2.7	-21.9	6.2	-6.9	0.2	12.3	1.3	3.3
12th	27.4	-8.4	31.2	-22.3	14.2	-9.4	-11.8	7.3	-6.3	-0.4
13th	-5.7	12	-4.8	22.5	-5.5	17.6	0.1	-5.2	2.1	1.4
14th	2.6	-0.7	0.5	-2.5	1.2	2	-1.6	0.9	5.3	-1.3
15th	0.5	-0.3	4	2.2	4.7	0.7	0.5	1.4	-1.9	-1.6
16th	0.9	0	-2.6	-1.9	5.5	3	-0.3	-2.8	-3.3	1.8
17th	-2.2	-4.2	3	-1.6	7.5	8	2.6	-0.8	3.8	-1.6
18th	0.9	-2.1	-2.2	1.6	-5.1	-0.7	-0.4	2.6	2.7	1.2
19th	0.1	-0.9	1	3.2	1.5	-8	-0.5	8.1	2.4	0.8
20th	10.8	-20.9	-4.4	7.8	8.3	38.6	-8.6	24.1	-2.6	2.4

D-504

RUN 32   PT 14

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	160.8		11.5		45.4		31		46.6	
RMS	61.4		46		42.7		91		45.1	
1/2 P-P	133.3		111.9		88.3		165.8		88.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-20	51.4	-26.2	13.1	-29.1	-3.5	-87.8	-13.1	-12.5	-4.1
2nd	6.3	4.6	-1.3	-2	-2.9	-5.3	-62.5	-14.4	-45.8	3.7
3rd	-26.9	16	-26.5	28	-29	33.6	-29.8	55.7	-24.6	11.1
4th	-24.6	-16.1	-21.5	-4.8	-19	-0.2	12.6	7.8	18.7	-7.2
5th	17.7	-25.7	9.7	-20.9	5.9	-12.8	-6.5	11.1	16.5	-3.4
6th	-8.7	8.3	-7.6	8.5	-6.3	5.6	6.6	-6.3	1.6	4.6
7th	-27.9	-13	-21.3	-5.1	-9.6	-1.4	3.1	-2.1	-15.1	4
8th	11	1.3	8.4	-0.9	3.3	-0.6	2.2	1.1	-2.8	0
9th	-4.2	2.4	-2.1	3	-0.6	1.6	-1.8	1	2.1	-2.6
10th	-4.3	-1.3	-2.4	0.4	0.3	0.2	-1.5	-0.1	3.7	-1.3
11th	-13.9	-12.3	-9.7	-3.5	1.2	1.8	-6.1	-1.6	4.6	1.9
12th	0.7	-1.3	0.2	-1.2	-0.1	-0.3	-0.2	-0.6	0	1.2
13th	-2.8	5	-0.7	2.9	0.1	-1.6	-0.3	-0.1	0.4	1
14th	-4.4	1.6	-1.2	1.7	1.5	-0.7	1.2	-0.6	-1.9	1.5
15th	5.6	-4.8	0.6	-2.7	-1.7	2.4	-1.6	3	0.6	-2.8
16th	1	6.8	1.8	0.7	-1.1	-2.8	-2.4	-2.7	1.7	0.6
17th	-1.9	1.2	0.3	1.1	0.4	-0.5	0.2	-1.4	1.2	0
18th	-0.3	-4.2	-0.3	-0.6	0.9	2	0.9	1.1	1	1.5
19th	2.3	-2.6	-0.3	-0.3	-0.4	1.9	0.4	0.2	-0.7	2.5
20th	-3.4	1.4	0.3	0.1	1.1	-1.8	-0.7	0	0.8	-1.8

RUN 32   PT 14

V/OR = 0.050	ALFS,U = -2.00	CLRH/S = 0.065179	CTH/S = 0.065203
VKTS = 20.1	MTIP = 0.604	CXRH/S = 0.001834	CP/S = 0.003751

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	25.4		695.6		280.5		1223.3		-157.3	
RMS	315.9		266.5		303.9		273.8		128.2	
1/2 P-P	653.6		651.5		738.6		600.3		247.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-69.5	412	-4	285.9	69.5	248.4	105.8	152.4	-2.1	160.1
2nd	19.1	22	23.4	7.7	36.3	6.9	38.8	1.5	58.4	17.2
3rd	28.2	-140.7	-6.1	-148.9	-8.2	-184.6	-26.9	-156.6	2.3	-11
4th	-11.5	0.9	-31.2	48.1	-47.5	68.9	-61.5	80	-24	-43
5th	-24.7	42	-53.8	170.6	-83.7	258.3	-77.4	263.2	19.6	15.3
6th	18.8	-8.8	-2.3	-7.9	-16.1	-5	-32.7	9.1	3.4	0.6
7th	-6.1	-9.6	11.5	7.8	8.4	17	-16.5	16.3	-11.6	3.3
8th	-5.4	6.1	-5.9	4.1	0.4	-0.1	13.6	-5.2	1.8	-4
9th	-12.9	-6.5	-5.1	-5	2.8	-1.6	10.9	7.1	6.3	2.4
10th	-6.3	-14.7	-2.3	-8.5	-0.9	-2.8	1.1	8.9	1.5	0.7
11th	15.7	1.7	27.1	4.5	3.7	-2.6	-18.8	-5.3	-0.2	-3.8
12th	9.5	-11.6	7.3	-15.4	5	-9.1	-2.7	5	-3.3	3.4
13th	-7.3	4.2	-8.7	7.2	-7.3	11.8	1.6	-0.5	-0.2	-1.8
14th	-0.6	-0.1	0.5	-1.9	-4.2	2.7	1.3	1	-0.9	-1.4
15th	0.2	0.6	2.6	3.4	7.7	-7.5	-1.5	0.3	3.4	3.2
16th	0.4	0.4	-8.3	-3.1	-2.4	5.4	-1.6	-4.1	-5.5	1
17th	-1.2	-1.2	0.4	-0.3	0.2	4.4	1.6	1.1	1.8	-1.3
18th	-0.4	0	-0.8	3.7	-4.4	-2.1	1	4	0.6	0.5
19th	-0.6	4.8	-1	0.7	-2.3	-9.7	-2.5	0.3	0	-0.8
20th	2.6	-4.7	0.6	0.1	-0.7	12.6	2.2	2.6	-1.8	-1.1

D-506

RUN 32　　PT 15

V/OR = 0.040　　ALFS,U = -2.00　　CLRH/S = 0.065697　　CTH/S = 0.065720
VKTS = 16.0　　MTIP = 0.606　　CXRH/S = 0.001807　　CP/S = 0.003960

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	163.6		15.5		50.8		56.9		58.7	
RMS	54.2		34.1		28.1		82.6		39.1	
1/2 P-P	119.6		80.3		58.6		135.5		75.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-29.6	52.7	-27.8	14.3	-26.4	-3.1	-96.2	-14.6	-13.7	-2.9
2nd	5.5	7.8	0	1.5	-0.6	-1	-51.9	-8.5	-45.9	2
3rd	-10.9	5.2	-13	11.8	-15.4	14.5	-18.9	25.2	-15.8	5.1
4th	-11.9	-8.1	-11.9	-2.1	-11.6	0	7.5	4.5	13.4	-3.4
5th	14	-20.9	4.8	-19.3	0.6	-13.9	-0.5	14	11.2	0.4
6th	-3	4.6	-2.8	4.1	-2.7	2.6	2.9	-2.6	1.2	0.8
7th	-14	-10.3	-10.8	-5.2	-5.1	-1.7	1.5	-1.1	-7.6	1.2
8th	9.7	-2	6.6	-2.7	2.3	-0.8	2.7	-0.6	-0.8	1
9th	-0.4	-4.6	-1.5	-1.6	-1	1	-0.4	-1.9	-0.2	-0.2
10th	-3.7	1.9	-2.2	2.2	-0.3	0.5	-1.2	1.5	1.3	-2
11th	-26.3	-1.9	-14.3	3.9	2.6	0.7	-8.6	3.3	7.3	-2.2
12th	-0.7	0.9	-0.2	0.5	0.2	-0.1	-0.2	0.3	-0.1	0.1
13th	-3	4.8	-0.2	2	0.3	-1.7	0.2	-0.9	-0.2	1.6
14th	-1.8	0.6	-0.3	0.5	0.4	-0.6	0.5	-0.5	-1	0.7
15th	4.5	-5.7	0.6	-2.5	-0.8	2.4	-0.9	2.9	0.7	-3.2
16th	0.9	3.6	0.9	0.4	-0.7	-1.3	-1.3	-1.4	0.7	0.4
17th	-0.4	1.2	0	1.1	-0.3	-0.3	-0.1	-1.2	0.3	0.8
18th	0.6	-2.1	-0.5	-0.3	0	0.9	0.3	0.6	0.2	0.7
19th	1	-1.9	-0.3	-0.2	-0.2	1.3	0.6	0.3	-0.6	1.1
20th	-1.6	-0.5	0.3	0.3	0.7	-0.5	-0.1	-0.4	0.3	-0.2

D-507

RUN 32   PT 15

V/OR = 0.040
VKTS = 16.0

ALFS,U = -2.00
MTIP = 0.606

CLRH/S = 0.065697
CXRH/S = 0.001807

CTH/S = 0.065720
CP/S = 0.003960

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	22.8		687.6		260.1		1195.8		-180.5	
RMS	314.9		240.2		243.7		207.2		119.3	
1/2 P-P	599		604.8		587		449.8		206.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-119.2	417.1	-38	291.2	36	252.3	85.2	158.2	-10.5	155.3
2nd	16.6	1.2	14.3	-8.7	20	-8.7	22.5	-10.4	49.9	18.7
3rd	40	-70.6	16.3	-76.4	11.7	-93.9	-1.4	-79.9	5.1	-5.5
4th	-6	-0.9	-23.7	24.8	-34.6	34.8	-43.2	40.5	-7.8	-28.3
5th	-14.1	38.8	-64.5	118	-103.9	171.7	-111.7	167.6	16.4	8.2
6th	10.1	2.4	-1.1	-8.5	-7	-16.2	-13.6	-14.1	0.5	0.4
7th	-4.2	-11.1	6.5	3.1	7.6	9.2	-3.8	8.5	-5.9	1.5
8th	-0.6	-0.3	-5.7	4	-4.3	2.2	4.9	-0.4	1.4	1.4
9th	3.4	-19.6	0.7	-8.1	1.7	-0.3	0.9	12.1	2.3	-0.3
10th	14.4	-9.1	11.3	-10.7	3.2	-3.3	-8.8	8.5	2.1	0.2
11th	25	14.6	44.7	2.1	6.7	2.4	-30.3	-1.1	-0.9	-1.8
12th	-4	2.7	-2.9	2.8	-1.4	2.3	2.1	-0.6	-2.2	2
13th	-4.1	-7.7	-11	-17.1	-.9	-6.8	2.9	4.5	-1.9	1.4
14th	0.5	0	2.3	-3.6	0.3	-1.4	0.3	0.4	-0.5	2.3
15th	0.3	-0.3	4.3	2.1	7.4	-8.5	-0.3	0.8	0.6	0.1
16th	0.2	-0.4	-6.9	-3.4	-4	1.2	-1.8	-3.2	-1.6	1.7
17th	2.5	-2.5	-0.5	0.1	-1.1	4.9	-0.8	1.7	1.7	-1.4
18th	2.3	0.2	-0.8	0.4	-3.4	-2.3	-1	1.5	0	0
19th	3.5	1.6	-2.1	2.9	-5.6	-0.5	-4.2	4.1	0.5	1.3
20th	11.1	5.2	-3.7	-0.9	-20.2	1.5	-12.2	0	-2.5	-0.2

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RUN 32   PT 16

V/OR = 0.030	ALFS,U = -2.00	CLRH/S = 0.065497	CTH/S = 0.065522
VKTS = 12.1	MTIP = 0.606	CXRH/S = 0.001862	CP/S = 0.004136

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	162.3		16.9		53.2		62.8		68.5	
RMS	47.9		25.5		20.2		73.6		32	
1/2 P-P	97.3		54.7		39.4		123.8		62.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-30.6	56.5	-24.8	17.4	-21.6	-0.4	-96.2	-11.3	-18	-3.4
2nd	2.3	4.6	-0.4	1.2	-1	-0.2	-28	-7.8	-37.8	1.5
3rd	-2.4	5.6	-5.9	9.9	-8.7	12.3	-11.5	18.8	-10.6	4.6
4th	-1.1	-4.5	-2.1	-2.8	-2.4	-1.9	1.2	3.2	7.5	-2.4
5th	4.9	-11	0.5	-11.1	-1.5	-8.8	1.9	8.9	6.6	-0.5
6th	-0.1	-0.1	-0.9	-0.5	-1.2	-0.7	1.4	0.5	0.9	0.6
7th	-5.3	-4.7	-4.5	-1.7	-2.5	0.2	1	-1.2	-3.6	1.4
8th	2.4	-8	0.3	-5.6	-0.3	-1.8	0.9	-1.6	-1.7	-0.4
9th	-0.7	0.2	-0.8	1.3	-0.6	1.1	-0.3	0.2	-0.2	-0.3
10th	-2.5	4.1	-1.3	3.6	-0.2	0.4	-1.1	2.7	1	-2.1
11th	-2.6	0.4	-1.3	0.6	0.3	-0.1	-0.9	0.4	1.4	-0.4
12th	-0.7	4.7	0.6	2.1	0.3	-1	0.2	0.3	-0.2	0.1
13th	-0.3	1.7	0.8	0.3	0.2	-0.7	0.5	-0.6	-0.9	0.9
14th	-0.3	-4	-0.3	-1.3	0.7	1.2	0.7	1.1	-0.8	-1.5
15th	3.1	-4.2	0.5	-1.7	-0.4	1.8	-0.5	2.2	0.6	-2.1
16th	-0.4	-1.8	-0.4	-0.6	0.8	0.8	0.5	0.8	0	-0.5
17th	-1.9	-1.3	-1.1	0.1	1	0.4	1.3	-0.1	-0.7	-0.1
18th	0.5	0.1	-0.2	-0.3	-0.4	0.2	-0.1	0.2	-0.5	0.2
19th	-0.5	3	0.4	0.2	-0.7	-1.5	-0.5	-0.3	-0.4	-1.4
20th	0.2	0.6	0	-0.1	-0.3	-0.3	-0.1	0	0	-0.5

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RUN 32   PT 16

V/OR = 0.030
VKTS = 12.1

ALFS,U = -2.00
MTIP = 0.606

CLRH/S = 0.065497
CXRH/S = 0.001862

CTH/S = 0.065522
CP/S = 0.004136

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	9.4		673.9		242.6		1177.8		-194.7	
RMS	295.3		206.5		190		150.8		102.2	
1/2 P-P	518.9		457.7		448.1		330.1		161.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-163.6	376.8	-75.9	259.8	-1.8	222.6	54.2	138.7	-14.1	138.3
2nd	-1.2	-9.3	-1.5	-12.2	3.4	-11.2	8.7	-9.4	33.2	6.3
3rd	51.9	-38	29	-43.5	23	-56.6	10.6	-47.7	9.8	2
4th	-2.9	4.5	-7.9	15.9	-9.9	21.5	-12.1	21	4.8	-11.5
5th	-15.8	21.1	-63.1	60.6	-99.9	85	-110.9	82	3.9	3.4
6th	4.2	4	-0.2	-1.2	-1.5	-5.2	-4	-7.4	2.9	2.3
7th	-0.1	-19.7	2.4	-2.5	3.9	9.1	-0.6	18	-0.6	-0.8
8th	0.1	2	0	7	-0.6	2	0.5	-5.4	0.5	0.7
9th	9.8	-12.3	4.4	-9	1.4	-2	-4.1	9.4	0.4	-1.7
10th	6.7	-3.4	5.1	-7.7	2.6	-2.1	-4.9	6	1.5	0.5
11th	-3.4	5.7	-0.4	3.8	-1.6	2.1	-0.1	-2.3	-1.1	-0.6
12th	-1.4	-1.8	-2.7	-5.7	-0.8	1.7	1.2	3.3	-1.6	-2.7
13th	2.9	-9	-0.4	-19.4	0.2	-11.7	0.9	4.4	0	-0.1
14th	0.4	-0.7	3.9	-2.3	1.7	-7.8	-0.1	0.4	0.7	-0.2
15th	0.2	-0.4	3.2	5.3	4.9	-2.3	0	1.1	-1.5	0.3
16th	-0.1	0.2	0.9	-3.3	-0.6	-7	0.4	-1	0.4	0.8
17th	3.2	0.1	0.3	0.9	-6.5	1.1	-0.9	1.2	0.2	-1
18th	0.8	1.9	-0.4	-1.7	-0.9	-3.7	-0.8	-1.7	-0.4	-1.5
19th	1.9	0.6	-3.7	-1	-3.4	4	-4.5	-2.4	0.3	-0.1
20th	-4	8.1	-0.8	-3.3	-0.6	-13.3	-1.1	-10.6	-0.8	0.7

RUN 32   PT 17

V/OR = 0.020   ALFS,U = -2.00   CLRH/S = 0.065304   CTH/S = 0.065334
VKTS = 8.1   MTIP = 0.605   CXRH/S = 0.002019   CP/S = 0.004577

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	162.1		15.5		51.5		36.7		72.8	
RMS	36.6		20.1		14.8		51		31.9	
1/2 P-P	77.2		47.1		42.1		81.7		54.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-23.2	41.9	-19.7	13.2	-15.9	-0.5	-69	-10	-39.6	-1
2nd	2.5	0.9	1.1	0.1	0.7	0.1	-6.7	-1.2	-18.3	2.7
3rd	0.5	4.5	-2.7	5.8	-4.3	6.9	-2.8	11.3	7.9	-1.2
4th	-0.2	-2.5	-0.9	-0.9	-0.3	-0.1	0.4	2.1	1.1	0.1
5th	-3	7.6	-1.2	8	-1	7.4	1.7	-7.4	-2.1	-2.3
6th	2.2	-1.4	1.8	-2	1.4	-1.8	-1.2	1.7	1.7	-1
7th	-2.4	-2.3	-1.1	-1.1	-0.1	-0.2	-0.2	-0.2	-0.7	0.3
8th	-1.9	-3.5	-1.9	-2.2	-0.9	-0.6	0	-0.8	0.2	-0.8
9th	-1.2	-0.8	-1.7	-0.3	-1.1	-0.1	-0.4	-0.4	-0.1	0.6
10th	1.2	-0.8	0.6	-0.8	0	-0.2	0.7	-0.6	-1	0.9
11th	0.5	-5.6	-0.7	-3.2	0	0.3	-0.5	-2	0.7	1.3
12th	2.4	-1.7	0.6	-1.1	-0.3	0.5	0	-0.5	0.4	0.3
13th	0	0.2	0.5	-0.1	0.1	0	0.3	-0.3	-0.2	0.3
14th	1.2	-0.8	0.5	-0.2	-0.3	0.4	-0.1	0.2	0.5	-0.5
15th	2.2	0.3	0.6	-0.3	-0.8	-0.1	-0.8	0.1	1.2	0
16th	-0.7	-1.6	-0.7	-0.3	0.7	0.6	0.9	0.5	-0.7	-0.4
17th	0.1	0.5	0	0.1	0	-0.1	-0.1	-0.2	-0.1	-0.1
18th	0.3	0	0	0	-0.2	0.2	0	0	0	0
19th	0.9	-0.7	0	-0.3	-0.4	0.7	0	0.3	-0.3	0.5
20th	-0.2	-0.2	-0.3	-0.2	0	0	0.2	0.1	0	-0.1

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RUN 32   PT 17

V/OR = 0.020   ALFS,U = -2.00   CLRH/S = 0.065304   CTH/S = 0.065334
VKTS = 8.1   MTIP = 0.605   CXRH/S = 0.002019   CP/S = 0.004577

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	31		701.9		267.4		1221.1		-193.6	
RMS	181.9		122.3		112.2		88.4		73.1	
1/2 P-P	332.4		290.6		269		206.8		193.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-91.7	233.5	-34.2	157.7	14	139.7	45.6	88	6.8	100
2nd	-8.6	-10	-7.7	-8.8	-8.2	-8.7	-3.7	-7.9	12	-2.9
3rd	41.5	-8.8	31.5	-14.1	25.9	-21	18.2	-17.8	3.4	2.3
4th	0	1.6	3.6	8.3	5.6	12.3	5.3	11.9	1.6	-4.6
5th	-12.7	-11.6	-33.7	2.8	-51.4	9.3	-54	21.4	-9.8	1.4
6th	-1.5	6.7	-2.3	0.2	-2.5	-5.4	-0.7	-11.3	2.8	1.9
7th	-10.8	-9.7	-1.1	-1.4	5.3	2.5	11.5	5.3	-3.2	-0.6
8th	4.3	-0.1	3.5	2.2	-0.2	1.8	-4.9	-1.5	-0.1	-0.4
9th	9.4	-4.2	6.2	-3.7	2.7	-0.1	-5.6	3.3	0.1	-0.8
10th	6.7	2.1	4.6	2	1	1.7	-3.4	-0.7	-0.6	-1.2
11th	-3.7	12.3	0	15.7	-0.8	4.6	-0.1	-9.8	-0.4	-1.3
12th	-2.2	1.1	-3.3	3.4	-0.2	0.6	1.5	-1.4	2.2	-0.4
13th	0.7	-3.4	-0.1	-6.6	0.9	-4.9	0.5	1.5	-1.2	-1.5
14th	-0.5	0.6	1.8	1.8	3.5	0	0	0	-0.5	-0.6
15th	0.3	0.1	0.5	2.9	3.3	2.8	-0.2	-0.4	0.4	3.6
16th	0.3	0.7	0.6	-2	-2.4	-4.8	-0.1	-0.4	2.4	0.9
17th	0.3	0.5	-0.4	0.4	-0.3	0.8	-0.7	-0.1	-1.6	-0.6
18th	1.5	0.6	-0.8	0	-2	-0.3	-1.3	0.3	-2.2	-0.1
19th	-1.9	3.5	-1.1	-1.6	-1.4	-8.2	-1.2	-3	0.2	-0.9
20th	-0.6	8.8	-1.2	-3.4	-7.8	-13.2	-4.8	-9.4	-1.3	-0.5

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RUN 32   PT 18

V/OR = 0.011 ALFS,U = -2.00 CLRH/S = 0.068647 CTH/S = 0.068691
VKTS = 4.2   MTIP = 0.604   CXRH/S = 0.002458 CP/S = 0.005186

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	176.2		25.6		56.9		31		73.4	
RMS	45.6		32.7		23.5		38.8		24.3	
1/2 P-P	137.5		109.2		71.8		101.7		64.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-4.1	7.7	-8	0	-8.9	-4.6	-32.6	-6.8	-20.2	-2.8
2nd	2.6	-4.2	2.7	-5.9	2.9	-6.6	4.6	-7.9	2.2	-8.1
3rd	10.2	4.2	13.4	-0.3	15.7	-1.7	23.1	-14.6	8.3	-1.2
4th	9.3	9.3	9.7	6.9	9.7	6.7	-3.9	-5.9	-7	-4.7
5th	-11	9.2	-7.7	9.8	-6	8.3	5.9	-11.5	-2.1	-2.8
6th	-1.7	1.4	-1.7	1.8	-1.8	1.7	0.7	-3.2	-0.8	0
7th	6.1	2.8	5	0.8	2.4	0.2	-0.4	0	1.8	0.5
8th	-5.5	9.9	-2	7.8	-0.5	3	-1.2	1.2	0.5	2.3
9th	0.2	-1.5	-0.2	-1.2	-0.1	-0.2	0.2	-0.6	-0.1	0.9
10th	2.5	-1.5	1.4	-1.4	0.2	-0.2	1.1	-1.3	-0.5	1.5
11th	4.4	-10	0.8	-6.1	-0.1	0.9	0.8	-3.6	-0.6	3
12th	7.5	0	3.7	-1.6	-1	0.1	1.4	-0.9	-0.6	0.6
13th	3	-0.1	1.7	-0.8	-0.2	0.1	0.6	-0.2	0.3	-0.9
14th	0.9	-2.5	0	-1	0.2	0.9	0.5	0.5	-0.4	-1.5
15th	1.8	-8.8	-1.3	-3	0.5	3.3	0.8	3.9	-1	-4
16th	6.4	-2.4	1	-2.1	-2	1.6	-2.1	2.3	0.8	-1.9
17th	2.5	-1.4	0.7	-0.8	-0.5	0.8	-1.1	0.6	0.6	0
18th	1.1	-1.6	0.1	-0.7	0.1	0.7	-0.1	0.3	0.4	0.2
19th	-1.4	-2.4	-0.1	-0.4	1.4	0.5	0.2	0	1.1	0.6
20th	-0.4	-1	-0.3	-0.3	0.3	0.2	0	-0.2	0.2	-0.2

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RUN 32 PT 18

V/OR = 0.011
VKTS = 4.2

ALFS,U = -2.00
MTIP = 0.604

CLRH/S = 0.068647
CXRH/S = 0.002458

CTH/S = 0.068691
CP/S = 0.005186

	Chord Bending, ft-lb MREB1A, r/R=0.127	Chord Bending, ft-lb MREB2, r/R=0.200	Chord Bending, ft-lb MREB3, r/R=0.300	Chord Bending, ft-lb MREB4A, r/R=0.454	Pitch Link Load, lb MRPR3
MEAN	70.4	727.2	273.7	1235.3	-194.6
RMS	87.1	99	105.4	102.3	44.7
1/2 P-P	210.5	286.3	296.2	233.6	113.5

HARMONIC	MREB1A COSINE	MREB1A SINE	MREB2 COSINE	MREB2 SINE	MREB3 COSINE	MREB3 SINE	MREB4A COSINE	MREB4A SINE	MRPR3 COSINE	MRPR3 SINE
1st	-20.2	84.3	-0.7	60.8	23.2	61.2	30.9	38.7	14	49.8
2nd	8.6	-5.2	5	1	-1.2	12.1	-1.5	10.9	-3.3	-0.9
3rd	-41.9	42.2	-31.5	45.7	-39.2	49.2	-23.2	43.7	-5.9	8.6
4th	3.6	-1.4	17.4	2.1	23.4	4	32.8	11.1	3.6	13.8
5th	16.4	-9.8	40.6	-32.4	59.5	-49.4	57.7	-44	-10.9	-7.4
6th	7.8	0.9	-0.2	-1.7	-3.9	-5.5	-11.8	-5.7	3.1	-2
7th	-7.4	5.9	-5.3	-1.5	-0.6	-8.5	9.2	-12.3	1.1	3.1
8th	1.5	-1.9	3.3	-8.8	1.8	-5.9	-2.3	4.3	-1.5	2.9
9th	-0.1	-1.9	-0.5	1	-1.1	2.1	-1.2	2.2	-1.4	0.5
10th	2.1	2.3	0.5	3.9	-0.2	1.3	0.3	-1.8	-0.8	1.3
11th	-4	8.9	-1.7	17.9	-0.5	2.9	2.1	-12.4	-1.3	1.6
12th	-4.4	-5.7	-10.9	-3.4	-0.8	-3.8	7.2	0.6	0.5	1.1
13th	1.2	0	1.1	-0.7	3.6	-2.4	1.7	-1.8	-1.2	0.1
14th	-1.2	1.2	-2.1	3.2	-3	-1.8	0.5	-1.4	0.4	-1.9
15th	0.7	0.7	2.8	3.3	-1.4	-11	-0.8	0.4	4.6	-0.5
16th	-0.6	0.5	-4.9	5	1.4	-3.3	-2.9	0	0.7	2.7
17th	-0.7	0.2	-1.1	1.6	1.7	-2.1	0.1	0.6	-1.2	-2
18th	-0.3	0.3	-0.6	1.1	-0.7	-1.6	0.4	0.5	-0.4	-0.1
19th	-1.8	0.2	2.8	0.5	0.2	-1.8	4.5	-0.1	-0.4	-1.1
20th	-0.7	0.5	0.7	0	-0.9	-1.3	0.6	-0.9	1.6	1.2

D-514

RUN 32   PT 19

V/OR = 0.000   ALFS,U = -2.00   CLRH/S = 0.065517   CTH/S = 0.065556
VKTS = 0.0   MTIP = 0.605   CXRH/S = 0.002250   CP/S = 0.004783

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	163.2		18.4		58.7		42.6		80.8	
RMS	52.7		42.6		36.8		61.3		38.7	
1/2 P-P	147.6		114.9		95.2		143.9		87.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-12	4.8	-9.6	1.1	-7.1	-0.7	-14.6	9.6	-12.2	-1.6
2nd	-8.7	-11.3	-20.3	-9.1	-26.2	-11.5	-66.8	-26.1	-44.1	0.6
3rd	6.2	3.2	8.2	-0.3	8.7	-1.1	11.6	-7	5.4	-6.9
4th	24.5	17.4	25.8	11.3	25.1	10.5	-7.6	-14.3	-11.1	-4.9
5th	2.8	-6.9	0.6	-6.9	-0.7	-6.2	1.2	9.7	4.3	-1.5
6th	4.8	1.2	4.6	0.2	3.1	-0.2	-1.8	-0.5	1.3	-1.3
7th	13.8	-4.7	9	-5.8	4.1	-3.5	-0.6	0.3	4.6	0.7
8th	-1.9	-12.8	-3	-8.4	-1.2	-2.6	-0.7	-2.1	0.4	-2.7
9th	8.7	-3.9	4.9	-4.9	0.5	-2.1	4.8	-2.9	-3.7	1.3
10th	-12.9	5	-6.9	5.2	-0.3	0.3	-4.5	2.7	1.5	-2.7
11th	32.4	-8.5	15.4	-10.1	-3.4	0.9	8.9	-6.3	-7.3	4.9
12th	-4.4	-2.6	-2.4	-0.4	0.8	0.5	-0.9	0.3	2.3	0.1
13th	-1.1	-3.3	-0.7	-0.7	0.4	1.1	0.8	0.1	-2	-1.8
14th	1.8	5.5	1.4	1.3	-1.2	-1.7	-1.3	-2.1	2.1	2.4
15th	-2.2	-5.3	-2.2	-0.8	1.1	2	1.3	1.9	-1.9	0.5
16th	-4.2	-2	-1.3	0.4	2	0.4	2.5	-0.1	-0.1	0.8
17th	2.8	3.3	1.2	0.2	-1.7	-0.8	-2.3	-0.4	-0.3	-0.7
18th	-2	-1.6	-0.6	0.4	1.2	0.5	0.9	-0.1	-0.4	2.1
19th	-4.1	0.2	0.1	0.5	1.7	-1	0.6	-0.4	2.3	-1.6
20th	3.6	-1.5	-0.2	0.1	-1.1	1.7	0.5	0.2	-0.5	1.9

D-515

RUN 32   PT 19

V/OR = 0.000   ALFS,U = -2.00   CLRH/S = 0.065517   CTH/S = 0.065556
VKTS = 0.0   MTIP = 0.605   CXRH/S = 0.002250   CP/S = 0.004783

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	42.1		706.3		238.9		1215		-200.1	
RMS	99.1		120.1		140.5		140.9		44.5	
1/2 P-P	269.3		335.3		342.5		342.3		104.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-1.1	58.9	9.8	40.3	16.8	31.4	11.1	13.6	-2.7	11.3
2nd	66.5	-27.3	83.4	-36.2	132.3	-28.3	131.2	-18.9	36.4	-8.6
3rd	-32.7	28.3	-38.6	34.5	-50.3	40.6	-40.5	33.7	-9	8.7
4th	-14.2	7.2	8.9	16.7	18.5	24.9	45.5	31	13.4	31.5
5th	5	0.4	-9.7	0.6	-19.3	2.4	-23.7	-0.7	-0.2	-7.1
6th	-3.4	10.3	4	8.1	10.2	5.9	17.8	4	-3.7	-1.2
7th	2	4.7	-5.2	6.7	-4.8	5.9	6.4	-3.3	3.9	0.2
8th	2.3	-2.1	5.8	7	6	4.5	2.2	-5.4	1.6	-6.4
9th	0.1	3.3	-5	7.5	-2.4	4.7	3.5	-2.9	-0.1	-1.1
10th	18	-7.3	21.3	-16.1	5.6	-5.3	-15	7.8	-1.1	-2.8
11th	-31.4	9.1	-48.6	30.1	-6.5	4.9	34.9	-18.6	0.6	1.6
12th	7.5	10.1	17.2	8.2	8.2	2.4	-4.9	-6	2	-0.9
13th	2.1	3.8	7	6.5	3.1	1.7	-0.9	-2.3	-2.7	-1.2
14th	0.8	-0.3	0.1	-2.3	5.9	4.5	1.2	-1	-0.5	4.8
15th	1.3	0.5	1.7	1.8	-5.2	-5.3	-1.4	-0.9	5.1	-0.5
16th	-0.8	-1.5	3.2	1.4	-2.6	2.2	3.4	1	-0.3	-0.6
17th	0	-0.1	-1.8	-2.5	4.7	-0.6	-2.4	-2.6	-0.4	0.6
18th	0.6	0.7	1.5	-1.2	-3.6	-2.9	1.2	-0.9	1.1	-2.3
19th	4	0.1	-0.4	-1.2	-9.2	4.7	-0.8	-2.1	-0.3	-0.8
20th	-2.9	1.2	-0.1	1.4	4.5	-7.5	-1.1	0.4	1.4	-0.1

D-516

RUN 34   PT 5

V/OR = 0.251	ALFS,U = -2.00	CLRH/S = 0.065570	CTH/S = 0.065585
VKTS = 99.7	MTIP = 0.605	CXRH/S = 0.001580	CP/S = 0.002393

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	158.1		-3.3		46.6		-75.2		-2.9	
RMS	45.1		46.3		63.6		89.6		26.6	
1/2 P-P	110.9		91.6		110.1		164		76.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	27.3	17.7	30.2	-34	39.1	-67	49.5	-84.3	-8.9	-23.3
2nd	0.6	19.1	-7.7	28.3	-12.8	37.2	-52.3	34.5	-11	12.3
3rd	10.4	-6.9	13.2	-7.8	13.6	-4	6.7	43.1	-3.1	10.4
4th	5.8	1	4.8	-0.9	0.8	-2.3	0.4	13.3	2.9	5.2
5th	6.6	6.1	9.2	7.7	7.2	9.3	-9	-10.9	2.2	-3.3
6th	-1.9	4.1	-1.3	4.3	-1	3	0.5	-5.7	-2.5	-4
7th	2.9	15.5	4.3	10.3	0.3	5.1	-1.2	-1.8	-4.7	1.2
8th	-23.2	16.2	-12.3	14.5	-3.9	5.2	-7	0.4	-2.7	3.7
9th	-5.8	7.7	-1.7	5.7	-0.1	1.1	-4.1	4.1	4.9	-1.9
10th	12.7	5.8	8.3	1.2	0.4	-0.2	4.8	2.5	-0.8	-3.5
11th	20.1	20.5	15.6	6.2	-0.6	-2.7	9	3	-8.8	-2.5
12th	2	-1.4	0.8	-1.7	-0.2	-0.3	-1.4	-2	-0.4	3.4
13th	5.2	-10.1	1.8	-5.3	0	3.2	-0.3	-0.7	2.3	0.1
14th	3.4	-7.4	-0.2	-3.4	0.1	2.7	0.1	1.6	1.2	-4
15th	-6.4	0.2	-2.4	1.1	2.1	-0.2	3.4	-0.8	-5.1	1
16th	-7.3	-2.6	-2.1	1.5	3.1	0	4.3	-0.9	-4.5	3.1
17th	-1.9	-2	-1.1	0.3	0.7	-0.2	1.4	-0.9	0.2	1.4
18th	3.7	2.3	0.4	-0.2	-1.6	-1.1	-1.5	-1.7	0.7	-2
19th	8.3	5.8	0	-0.8	-4.5	-0.6	0	-0.5	-5.4	-2.2
20th	-0.6	13.7	0.5	-0.5	-3.5	-6.5	2	1.1	-5.2	-5.7

D-517

RUN 34   PT 5

V/OR = 0.251   ALFS,U = -2.00   CLRH/S = 0.065570   CTH/S = 0.065585
VKTS = 99.7   MTIP = 0.605   CXRH/S = 0.001580   CP/S = 0.002393

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	7		726.5		385.3		1321.8		-81.2	
RMS	353.5		304.9		368.8		314.5		124.7	
1/2 P-P	582.7		574.4		629.1		594.2		200.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-44.1	489	-96.7	395.2	-181.3	440.9	-190.9	331.2	72.3	155.1
2nd	35.4	-37	44.4	-62.6	69.4	-117.9	78.1	-124.3	25.1	16.8
3rd	-51.5	-24.7	-73	4.4	-93.7	16.2	-79.4	-7.2	10.3	-14.2
4th	10.1	0.9	19.5	17.8	33.9	38.5	35	36	-3.9	0.8
5th	-21.2	-14	8.4	52.2	28.7	100.7	48.8	120.5	-9.2	-5.4
6th	-6.9	-9.2	-13.4	6.4	-16.2	16	-23	21	-4.6	0.5
7th	3.5	-6.6	1.9	-7	7.6	3	4.7	16.1	-1.5	5.7
8th	8.9	-6.8	19.5	-19.7	10.5	-9.4	-15.3	10.7	-11.6	3.3
9th	3.1	22.1	7.7	1.8	2.4	-7.4	-6.1	-13.4	0.5	-1.8
10th	0.5	3.2	-9.2	0.2	-0.1	0	8.4	2.6	0.8	0.5
11th	-34.2	-15.6	-51.9	-15.9	-9.9	0.5	35.6	15.6	-6.1	5
12th	-7	10.4	-3.2	14.8	0.8	6.1	2.7	-7.7	-0.7	5.4
13th	16.5	-3.7	25.2	-6.7	19.3	-16.9	-5.3	-1.7	-2.3	-2.6
14th	0	0.8	3.6	4	2.7	-8.1	-0.8	-0.7	6.6	0.4
15th	0	-1.6	9.9	-1.3	-0.2	3	0.5	1.8	1.6	0.5
16th	0.4	-2.4	4	-5.9	-8	-3.3	2.8	0.7	2.7	-11.4
17th	2.6	0.1	1.6	2.3	-5.4	5.3	0.3	0	-0.5	1.7
18th	0.5	-4.1	-2.8	2	3.7	8.4	-2.3	0.6	-4.7	3
19th	3.2	-3.4	-6.6	2.9	7	7.2	-13.4	2.9	-0.5	3
20th	11.3	-12.7	-5.2	1.9	4.6	38.7	-13.4	2.6	-1.3	2.2

D-518

RUN 34   PT 6

V/OR = 0.220   ALFS,U = -2.00   CLRH/S = 0.065592   CTH/S = 0.065619
VKTS = 87.3   MTIP = 0.605   CXRH/S = 0.001912   CP/S = 0.002410

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	157		-3.2		45.2		-72.8		-2.1	
RMS	41.5		37.3		50.7		81		25.2	
1/2 P-P	98.1		84.7		93.7		142.9		75.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	23.3	20.7	23	-25.9	29	-55.2	33.6	-71.8	-6.9	-20.3
2nd	1	12.6	-7.5	18.2	-14.1	25	-55.9	29.1	-12.3	9.6
3rd	6.9	-8.3	9.2	-6.9	9.4	-1.6	8.2	47.1	-2.7	10.2
4th	-0.7	-5.9	-1.8	-6.4	-4.1	-5.2	5.1	9.8	6.7	3.1
5th	1.6	4	3	6.7	2.5	9.8	-3.5	-13.7	1.7	-6.3
6th	-3.7	5.4	-1.7	4.6	-1.9	3.1	3.5	-6.1	-5.8	-2.1
7th	3.2	20.1	5.8	13.6	2.7	5.6	-1.3	-1.3	-2.2	4.9
8th	-12.8	22.9	-5.1	18.2	-1.4	6.6	-4.4	2.8	3.2	5
9th	5.4	8.1	5.3	2.8	2.1	-0.2	-0.2	1.3	5.6	-2.3
10th	17.1	3.6	10.8	-2.4	0.6	-1.5	5.2	-3.4	-3.8	0.2
11th	11	-3.4	6.4	-4.3	-0.4	-0.4	3.4	-5.2	-5.4	6
12th	11.2	-9	2.9	-7	-1.7	1.1	1.5	-4.2	-0.4	4.4
13th	9.3	-6.1	2.4	-4.4	-2.2	2	0.7	-0.9	1.1	-2.1
14th	1.8	1.8	1	0.3	0	-0.7	0.4	-1.1	-1.4	-0.8
15th	-13.3	4.2	-3.2	4.4	5.1	-3	5.2	-3.8	-5.9	5
16th	-3	-8.5	-3.3	-1.7	2.7	2.9	4.2	3.3	-1	-0.9
17th	4.4	1.7	0.7	-1.1	-1.9	-0.5	-0.9	0.2	1.6	-1.9
18th	4	4.9	0.6	0	-2.5	-2.1	-1	-1.1	-2	-2.1
19th	1.7	3.1	-0.1	-0.2	-0.7	-1.3	-0.2	0	-1.8	-0.8
20th	3.6	-3.6	-1.2	0.1	0.2	2.9	0.8	0.7	0.4	3.3

D-519

RUN 34   PT 6

V/OR = 0.220   ALFS,U = -2.00   CLRH/S = 0.065592   CTH/S = 0.065619
VKTS = 87.3   MTIP = 0.605   CXRH/S = 0.001912   CP/S = 0.002410

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-1.4		714.9		374		1311.2		-77.6	
RMS	343.8		290.1		336.3		287.1		125.7	
1/2 P-P	566.2		524.9		605.1		549.6		213.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-68.2	474.2	-98.6	374.9	-154.1	402.5	-163	300.8	62.7	159.7
2nd	30.6	-28.4	37.1	-46.1	66.4	-86.2	77.6	-91.6	25.6	12.5
3rd	-34.3	-41.8	-51.9	-11.8	-67.1	-4.4	-54.7	-15.7	11.2	-20.5
4th	19.3	7.9	35.1	26.3	52.3	42.8	53.5	33.9	-10.1	-6.5
5th	0.9	-0.8	44.3	65.8	71.9	110.3	86.9	124.3	-9.3	-9.7
6th	0.4	-9.7	-2.2	4	-2.8	16.4	-10.2	17.3	-6.3	4.9
7th	1.8	-4.2	0.1	-13.9	2.5	-3.9	6.1	12.9	-0.2	7.4
8th	-2.3	-6	5.4	-22	5.3	-13.2	-3.3	12	-4.4	3.2
9th	-13.5	26.5	-8.1	11.9	-1.5	-2	5.8	-20.2	0.9	0.3
10th	-6.4	14.1	-12.7	12.5	1.7	6	13	-13.1	-2.5	3.6
11th	-23.9	-4.3	-27.3	4.6	-6.6	0.3	19.3	-7.3	-5	4
12th	-12.4	10.8	-15.6	24	-5.1	4.2	6.4	-16.1	2.3	6
13th	5.9	-4.9	1.3	-1.4	5.4	-9.6	-2.5	-2.1	4.8	-1.5
14th	-1.7	-2	2	-2.6	3.6	2.5	-0.7	1.4	2	0.4
15th	-1.6	-3.2	6.4	-5.1	-11.9	12.3	5.2	1	-5.7	-10.9
16th	0.1	0.1	8.3	-1	-5.1	-13.3	3.6	-0.1	7	0.8
17th	1.6	-0.4	-2.7	4.2	2.6	4.3	-3.8	-1.6	-2.5	4.2
18th	4.3	-1	-6.4	-3.1	-1.5	4.6	-8.6	-2.7	-0.7	4.2
19th	-0.8	-6	0.3	1.2	6.5	10.3	2.2	2.2	1.1	0.9
20th	10.2	3.1	-4.1	4.1	-19.1	-0.6	-9.4	7.8	2.4	-0.4

D-520

RUN 34   PT 7

V/OR = 0.198
VKTS = 78.5

ALFS,U = -2.00
MTIP = 0.606

CLRH/S = 0.065041
CXRH/S = 0.001937

CTH/S = 0.065069
CP/S = 0.002399

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	156.8		-2.3		44.8		-68.8		-1.8	
RMS	48.7		35.3		44.8		74.6		27.6	
1/2 P-P	115.9		82.6		84.5		142.4		81.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	16.4	21.8	16.1	-22.4	20.6	-49.6	22	-65.1	-6.4	-17.8
2nd	1.4	9.6	-8.6	13.1	-16.8	18.7	-55.1	24	-14.1	8.1
3rd	4.1	-6.9	4.9	-3.5	3.9	3.7	2.9	44.2	-2.7	9.6
4th	-4.6	-7.8	-5.4	-7.1	-6.1	-4.8	1.5	8.1	7.9	1.7
5th	2.2	7.9	3.7	9.4	2.5	11.9	-1.8	-14.3	0.5	-6.5
6th	-1.8	2.9	-0.9	2.6	-0.4	1.9	4.1	-5.7	-5.6	0.4
7th	10.9	7.3	8.1	2.6	4.6	0.7	-2.4	-0.8	1.7	3
8th	8.2	21.5	8.4	12.9	3.3	4.3	-2.8	2.8	8.3	1.4
9th	6.8	5.2	7	-0.2	2.8	-2	1.3	0	2.8	-3.4
10th	7.1	-4.6	3.9	-5.4	0.5	-1.4	4.1	-5.5	-4.9	3.6
11th	2.2	-48.4	-6.8	-25.4	0.2	5.4	-3.5	-16.8	0.8	16.6
12th	15.9	-11.7	4.9	-8.3	-2.7	2.9	0.4	-2.2	1.5	1.6
13th	3.3	-3.1	-0.3	-1.7	-0.7	1.3	-0.9	1.5	1.7	-4.3
14th	-9.1	3	-1.6	2.8	3.8	-1.5	3.4	-2.6	-4.8	0.7
15th	-15.9	1.8	-4.4	4.2	6.5	-2.2	6.7	-5.8	-6.7	7.2
16th	3.3	-1.7	0.6	-2	0	1	-0.9	0.8	2.2	2
17th	1.8	8.9	1.2	0.1	-1.2	-3.2	-1.8	-1	1.2	-1.2
18th	-0.7	6.7	0.1	-0.3	-0.7	-2.5	-0.4	0.2	-2.5	-4.5
19th	-2.4	-4.5	-0.7	-0.6	2.6	1.7	0.2	0.7	-0.1	0.7
20th	17.8	-3.6	-1.9	-1	-6.9	6.4	0.9	0	-7.3	7.4

D-521

RUN 34   PT 7

V/OR = 0.198 ALFS,U = -2.00 CLRH/S = 0.065041 CTH/S = 0.065069
VKTS = 78.5   MTIP = 0.606   CXRH/S = 0.001937 CP/S = 0.002399

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-4.8		710.1		371.9		1311.4		-74.5	
RMS	336.9		283.4		320.7		274.5		126.4	
1/2 P-P	549.6		522.9		626.4		558.3		225.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-69.1	462.7	-86.4	362.8	-122.9	382.1	-131.2	277.5	56.1	160.9
2nd	37.1	-24.8	42.3	-41.7	77.6	-75.5	87.3	-80.4	30.9	13.4
3rd	-11.2	-63.5	-33.4	-37.6	-43.3	-40.4	-37	-45.7	13.5	-21.1
4th	17.3	8.5	29.2	32.7	39.6	49.4	35.6	39.8	-11.9	-10.9
5th	-5.7	1.9	25.2	85.8	44.3	143.6	56.8	165.6	-9.8	-1.9
6th	-0.3	-6.4	-7.4	11	-14.4	25	-15.1	24.9	-2.2	10.5
7th	-5.9	11.8	-4.4	3.5	-1.7	0.2	11.5	-8.3	4.1	7.6
8th	-2	3.9	-5.3	-10.4	-0.6	-9.8	6	0.4	3.1	4.3
9th	-16	27.3	-10	14.9	-2	0.1	11.2	-24.1	-2.5	-0.5
10th	-5.6	14.1	-4.7	14.5	-0.9	3.5	11.1	-18.1	-4.6	3.5
11th	-5.3	20	10.6	55.4	-2.6	1.2	-6.8	-42.1	0.4	-3.8
12th	-11.5	2.4	-20.5	19	-4	-1.9	6.5	-10	4.9	1.9
13th	-0.3	-1.4	-2	4.7	-0.4	-0.2	-0.9	-1.6	8.7	1.3
14th	-1.4	-1.4	7.4	-0.5	-4.7	9.3	2.4	-0.2	-8.9	-10.6
15th	1.5	-2.4	5.6	-4.5	-20	11.6	5	1.7	-1.5	-12.8
16th	0.9	0	-2.4	-2.5	-3.1	-7.7	1.2	-1.4	-6.5	4.4
17th	0.8	-1.5	-5.1	-0.7	0.9	11	-3.4	-4.7	-4	5.5
18th	0.9	-0.4	-1.2	-2.4	1.1	5.3	-2.4	-6.8	-2.5	5.6
19th	2.6	-4.6	3.1	5.4	-4.9	6.1	5.5	8.6	1.1	-0.2
20th	7.2	11	-10.4	5.2	-9.5	-23.2	-30.5	8.6	9.1	3.9

D-522

RUN 34   PT 8

V/OR = 0.174   ALFS,U = -2.00   CLRH/S = 0.065405   CTH/S = 0.065435
VKTS = 69.0   MTIP = 0.605   CXRH/S = 0.002006   CP/S = 0.002448

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	158.1		-1.3		45.8		-62.9		-1.2	
RMS	30.3		21.4		36.7		67.1		22.2	
1/2 P-P	68.2		46.7		67.7		124.6		60.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	11.3	28.9	8.7	-14.8	9.4	-40.3	6.7	-56.3	-6.5	-15.5
2nd	2.2	6.1	-9.5	8.3	-18.5	14.3	-52.3	19.4	-16.6	6.8
3rd	0.6	-5.1	0.2	1.5	-2.4	10.7	-3	46.7	-2.2	10
4th	-11.7	-11.1	-10.5	-8.3	-10.4	-4.2	5.6	9.3	10.4	0.8
5th	-4.7	5.9	-2.4	8.4	-2	11.4	5.8	-15.1	0.3	-5.7
6th	-7	-2.3	-6.3	-1	-3.2	1.4	3.3	-5.6	-6.7	1.9
7th	1.2	1.3	0.9	-1	-0.3	0.7	-3.8	0.7	0.1	1.2
8th	-9.1	9.5	-4.3	7.7	-1.9	2.3	-1.7	3.3	2.7	-2
9th	-4.9	-1.1	-1.9	0.9	1	0.7	0.8	-0.2	0.2	-2.5
10th	0.3	-2.5	-0.2	-1.8	0.3	0	0.2	-1.3	-2.3	2.6
11th	13.9	1	7.5	-2	-1.9	0	3.4	-0.6	-2.9	3.5
12th	-2.6	-0.4	-0.5	-0.3	0.8	-0.8	0.1	-0.5	1.5	-1.4
13th	-1.7	-2.5	-1.4	-0.5	0.7	0.5	0.2	-1.6	-0.9	-1.5
14th	0.2	-4.2	-0.1	-0.5	0.9	2.2	1.3	0.7	-1.7	0.3
15th	-1.6	-0.4	-0.5	0	0.7	0.6	1.8	1.7	-0.3	1.3
16th	-3.8	-1.6	-1.4	-0.1	1.9	-0.1	2	1.7	-0.4	-2.3
17th	-1.5	-2.2	-0.9	-1.3	1.6	1	-0.6	1	-0.4	-2.9
18th	-0.8	0.4	-0.2	-0.7	0.4	0.2	-0.8	-0.6	0.1	0.1
19th	0.2	0.4	0.3	-0.2	-0.5	0.3	0.5	-0.2	0.9	1.5
20th	-0.4	-1.5	0.6	0.1	0.2	0.3	0.3	0.2	1	1.4

D-523

RUN 34　　PT 8

V/OR = 0.174　　ALFS,U = -2.00　　CLRH/S = 0.065405　　CTH/S = 0.065435
VKTS = 69.0　　MTIP = 0.605　　CXRH/S = 0.002006　　CP/S = 0.002448

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	0		709.8		364.3		1307.4		-74.3	
RMS	323.9		265.8		296.9		251.3		126.4	
1/2 P-P	558.5		519.2		583.4		504.1		240.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-79.2	439.3	-80.4	336.8	-89.9	346.8	-95.9	246.9	45	163.6
2nd	44.2	-31.3	48.2	-44.6	86.2	-74.9	96.3	-75.9	33.4	8.1
3rd	7.6	-79.3	-17.4	-58.1	-24.6	-70.3	-26.9	-68.1	16.2	-22.9
4th	15.5	13.7	30.3	44	43	59.8	35.6	57.1	-20	-17.8
5th	-1.1	9.6	29.2	88.1	46.8	140.4	56.5	161.1	-8.2	-2
6th	2.7	-0.1	2.6	20.6	-2.2	30.7	-11.9	29.6	1.4	13.6
7th	-5.7	14.7	2.2	9.2	6.9	-0.8	5.9	-8.4	0.8	6
8th	4.7	0.6	9.3	-10.1	8.3	-8	1	-0.7	-1	-1.1
9th	-17.4	4.6	-4.2	0.9	0.3	-3	14.3	-5.9	-2.5	-4.7
10th	-8.1	6.1	-2.9	6.7	-1.5	1.2	6.4	-4.1	-1.9	0.3
11th	2.1	-17.8	-13.3	-12	0.7	-5.1	8.5	5	0.8	2.4
12th	-2.7	-6.7	-4.1	-5.4	-5.1	-1	2.3	-2.7	-0.1	1.2
13th	2.9	5.2	9.4	10.5	2	6.7	-0.3	-3.9	2	1.4
14th	-0.2	-0.9	1.7	10.5	-1.9	4.2	2.6	2	1.1	-9.4
15th	0.4	-0.4	-2	1.6	-5.3	1.8	-0.2	0.5	-1.1	-3
16th	2.1	-0.1	7.9	-0.3	0.2	0.4	2.8	-1.7	2.5	-2.9
17th	1.5	1.2	0.3	1.7	-7.6	-2.1	1.5	-1.7	0.4	3.3
18th	0.3	1.9	1	-0.6	-1.2	-4.2	1.8	-0.6	0.3	1.5
19th	3	-0.2	-2.3	1.2	-2.7	0.4	-2.8	2.3	-0.4	-2.2
20th	3.5	9.8	-4	-3.2	-14	-11.9	-7.7	-6.3	-1.8	-1.7

D-524

RUN 34   PT 9

V/OR = 0.152   ALFS,U = -2.00   CLRH/S = 0.065152   CTH/S = 0.065180
VKTS = 60.5   MTIP = 0.606   CXRH/S = 0.001939   CP/S = 0.002501

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	159		-1.4		46.6		-58.2		-0.3	
RMS	36.9		24.5		35.5		65.8		23.6	
1/2 P-P	77.2		66.3		70.2		130.4		53.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	2.2	32.1	-0.2	-9.3	-1.3	-32.5	-6.3	-48.9	-6.8	-13.8
2nd	1.5	5.7	-11.2	5.4	-21.1	8.9	-51.1	14.6	-19.1	6
3rd	-5.4	-0.4	-6.3	7.8	-10.1	16.6	-9.4	51.2	-1.5	10.5
4th	-18.3	-12.7	-16.3	-6.4	-15.6	-1.9	9.2	8.4	12.7	-0.2
5th	-7.9	6.3	-5.6	10.2	-4.1	13.3	6.3	-17.5	-0.3	-5.8
6th	-9.4	4.2	-6.9	4.4	-5.2	3.8	3	-6.5	-7.2	2.2
7th	-4.7	10.6	-1	7.6	-0.6	3.4	-1.4	1.7	-0.9	3
8th	-8.7	8.5	-4.8	7.3	-0.8	3.8	-1.4	2.5	2.8	-0.6
9th	-0.9	2.9	1.1	1.7	0.4	2	-1.7	0.9	2.5	-0.8
10th	4.6	4.5	4.3	0.8	-0.6	-0.7	2	1.3	-2.3	0.6
11th	9.5	18.8	8.9	8.4	-1.1	-1.9	7.3	4.5	-5.8	-2.9
12th	3.5	-1.9	1.9	-1.3	-0.5	0.4	2.4	-1.3	-2	-0.4
13th	4	-1.8	1.2	-2	-1.5	0.7	-0.8	-0.3	0.4	-0.4
14th	1.2	0.1	0.6	0.1	-0.9	0.4	-1.3	1.7	2.1	-1.1
15th	-11.9	0.1	-3.1	2	3.5	-0.9	3	-1.2	-2.4	0.7
16th	1.2	-6.7	-0.8	-2	0.4	2.9	0.8	2.9	-0.5	-1.6
17th	1.8	2.7	1.3	-0.4	-1.4	-0.3	-0.2	-0.6	-0.3	1.2
18th	-2.3	4.1	0.2	0.6	-0.3	-2.2	0.6	-1.3	-0.3	-0.9
19th	-5	0.6	-0.1	0.2	1.9	-1.5	-0.5	0.3	2.2	-2.5
20th	4.3	-5.6	-0.5	-0.2	-0.3	3.6	-0.6	0.4	-0.6	3.3

D-525

RUN 34   PT 9

V/OR = 0.152   ALFS,U = -2.00   CLRH/S = 0.065152   CTH/S = 0.065180
VKTS = 60.5   MTIP = 0.606   CXRH/S = 0.001939   CP/S = 0.002501

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	9.4		716.6		366.5		1309.2		-74	
RMS	327.2		263.2		283.7		237.7		129.2	
1/2 P-P	580		565		608.2		492.4		236.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-73.3	442.9	-61	333	-52.1	329.5	-56.2	226.5	36.2	167.9
2nd	39.1	-20.1	45.9	-33.9	88.8	-57.7	92.7	-64.8	36.5	7.3
3rd	11.5	-94.1	-10.2	-79	-10.1	-97.1	-22.7	-88.5	14.4	-21.8
4th	11.7	5.6	26.2	38.5	38.8	53.4	24	57	-26.4	-26.1
5th	1.9	5.5	33.8	86.8	50	139.5	52.7	165.5	-8.3	-3.7
6th	2	-8.2	1.6	12.6	0.7	28.1	-12.3	36.6	-3.2	12.1
7th	-13.4	1.1	-0.9	-3.4	8.3	0.7	11.8	7.1	-3.2	6.2
8th	6.9	2.2	11.8	-7.3	4.6	-9.3	-3	1.4	1.3	-0.8
9th	-18.8	5	-7.5	3.4	3.9	-5.7	13.4	-4.6	-0.6	-3.1
10th	-13.4	5	-13.9	3.7	0.2	2.9	11.7	-2.7	-2.4	2.8
11th	-5	-27.4	-25.5	-35.9	-5.4	-7.6	18.7	22.1	-2.3	1.9
12th	-0.3	-12.4	-9.7	-10.1	-4.8	-9.8	5.9	4	-0.5	-1.8
13th	-1.4	-3.7	-9.4	1.5	-2.1	-2.9	0.3	-1.5	0.7	1.5
14th	1	-0.8	1.3	5.8	5.7	6.3	-2.3	-2	6.4	-0.9
15th	-0.4	-1.9	2.1	-6.6	-13.3	0	3.2	-1.5	-1.9	-4.5
16th	0.9	0.5	5.5	7.1	3.4	-4.6	1.7	3.1	3.4	2.8
17th	1.8	0.6	-4.8	0.2	0.1	1.6	-3.7	-0.2	-3.1	-0.5
18th	0.4	1.9	0.1	-4.7	0.9	1	-1.1	-4.9	1.5	-1.3
19th	8.5	-0.4	-4	0.5	-16.2	9.5	-2.3	0.1	-0.1	-0.9
20th	-0.1	10.9	-3.1	0.1	-9.3	-22.2	-6.1	-2.1	3.5	0

D-526

RUN 34   PT 10

V/OR = 0.124   ALFS,U = -2.00   CLRH/S = 0.065658   CTH/S = 0.065688
VKTS = 49.2   MTIP = 0.606   CXRH/S = 0.001996   CP/S = 0.002697

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	160.9		0.3		49.2		-51		3.1	
RMS	54.1		39		40.1		71.4		28.1	
1/2 P-P	118.5		99.5		86.3		139.7		68.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-3.2	39.2	-8.2	-1	-10.6	-22.6	-23.6	-41.1	-8.6	-12.5
2nd	0.3	4.2	-13.3	0.4	-21	1.2	-51	6.7	-23.5	4.3
3rd	-19.5	6.7	-19.8	18.1	-21.2	26.3	-20.7	61.8	-1.1	11.9
4th	-28.2	-18.1	-25.8	-7.5	-22.7	-1.6	14.5	7.5	16.7	-1.2
5th	-5.4	8.6	-2	12.2	-1.1	14.3	3	-20.1	-0.3	-7
6th	-17.5	10.6	-12.8	11.5	-6.8	7.8	7.5	-9.8	-7.8	2.2
7th	-16.6	2.2	-10.9	3.9	-5.9	3	-0.2	-0.6	-4.8	3.2
8th	-4.1	23.5	1.1	16.8	0.6	5.2	-3	5.1	2.9	3.5
9th	-7.1	12.8	-0.7	10.2	2.2	3.1	-1.9	4.9	3.6	-1.9
10th	-2.2	2.6	-0.8	1.4	-0.3	-0.5	0.3	-0.3	-0.2	-1.7
11th	32.8	7.6	18.2	-2	-4.2	-1.3	10.5	-2.1	-9.9	1.6
12th	-3.4	8.6	-0.2	4.5	0.3	-2.1	-0.1	2.2	-0.3	0.6
13th	-2.5	-3.1	-2	-0.9	0.5	0.7	-0.3	-0.4	1.1	0.3
14th	6.2	-6.5	-0.4	-2.8	-2.2	2.9	-1.8	1.6	2.3	-4.2
15th	4.2	2.7	2.1	-0.9	-2.2	-0.1	-2.2	0.1	1.3	-0.9
16th	-5.5	-0.4	-1	1.7	2.3	-0.1	2.8	0.2	-2	1.7
17th	1.5	-4.5	0	-1.2	0.5	3.1	0.2	2.8	0.7	0.1
18th	3.1	1.4	0.9	-0.5	-2.1	0.6	-1.4	-0.2	0.4	-0.3
19th	-1.1	7	0.7	0.4	-1.9	-3.4	-0.6	-1.6	-1.3	-3
20th	-5.5	-8.2	-0.1	0.8	4.9	2.1	-0.1	-0.8	4.1	3.7

RUN 34   PT 10

V/OR = 0.124 ALFS,U = -2.00 CLRH/S = 0.065658 CTH/S = 0.065688
VKTS = 49.2   MTIP = 0.606   CXRH/S = 0.001996 CP/S = 0.002697

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	21.5		721.5		364.3		1297.5		-80.4	
RMS	324.9		258.2		275.5		237.1		134.8	
1/2 P-P	604.2		577.6		604.9		534.4		261.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-51.2	438.4	-28.1	319.7	-1	302.5	0.3	200.4	29.7	172.2
2nd	31.7	2.5	45.1	-13.6	87.5	-29.2	93.2	-39.3	39.4	9.9
3rd	9.2	-118.8	-10.2	-111.4	-9.2	-138.2	-23.5	-123.9	8.6	-24.8
4th	1.4	5.6	10.2	50.5	16.7	67.9	-3.9	76.7	-33.3	-40.8
5th	-4	7.8	25.8	95.8	40.5	155.9	52.3	183.8	-7.5	2.8
6th	4.6	-13.5	4	1.2	-5.8	17.7	-18.1	29.7	-10	10.8
7th	-16	-4	5.1	2.4	15.7	9.9	5.3	18.6	-4.2	3.7
8th	3.3	0.9	3.2	-16.8	4.5	-8	2.4	13.4	2.6	5.2
9th	-16.8	10.4	-2.5	-3.3	1.6	-5.2	16	-4.5	-2.6	-1.8
10th	-12	6.7	-5.2	3.7	1.5	2.5	7.7	-2.4	-1.1	-2
11th	-15.5	-6.8	-44	-2.7	-2.3	0.3	29.3	-1.2	1	5
12th	-2.3	-3.4	-4.3	-11.4	-6	0.4	2.2	2.9	-2.6	1.4
13th	-4.6	-2.3	-6.7	3.2	-8.8	0.2	2.8	-1.7	-1.7	-1.2
14th	1.3	-1.4	0.3	6.7	7.2	-3.7	-3.3	1.6	16.3	-1.2
15th	-1.2	0.1	-8	0.1	1	-0.8	-0.1	-1.9	-3.4	3.1
16th	1	-1	8.1	-0.7	0.2	2.1	4.4	2	2.2	-7.7
17th	1.3	0.3	0.1	3	-2.4	-5.9	0.3	3.6	-1.8	-0.4
18th	0.2	0.2	-1	-0.1	5.8	-2.5	-2.2	0	-2.4	0.7
19th	5.4	-4.2	-4.4	-1.2	-1.1	14.7	-5.8	-2.8	-0.5	3.3
20th	1.1	-3.3	6	2.5	-7.4	2.5	13.7	10.4	2.1	-4.9

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RUN 34   PT 11

V/OR = 0.102	ALFS,U = -2.00	CLRH/S = 0.065462	CTH/S = 0.065487	
VKTS = 40.7	MTIP = 0.606	CXRH/S = 0.001859	CP/S = 0.002880	

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	163.1		1.6		51		-43		8	
RMS	77.2		56.7		50.1		82.7		34.8	
1/2 P-P	186.3		145.9		111.7		160.5		85.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-10.6	42.8	-16.8	4.4	-19.6	-14.5	-37.5	-34.4	-11	-12.5
2nd	-0.4	2.6	-13.8	-2.5	-20.7	-3.5	-53.6	0.5	-27.6	3.3
3rd	-29.3	14	-29	28.5	-30.7	38.1	-35.3	73.5	-4	13.8
4th	-34.6	-19.2	-30.9	-5.7	-27.3	-0.3	16.7	8.2	19.1	-1.3
5th	4.5	2.9	5	5.7	4.8	10.2	-0.5	-15	1.5	-7.6
6th	-24.9	11.6	-19	13.9	-11.8	10.7	11	-12.6	-6.9	1.9
7th	-29.1	-8.2	-22.5	-1.7	-11.5	0.3	0.1	-3	-11.1	4.3
8th	1.5	36.3	6.7	24.3	3.2	8.4	0.4	6.9	2.1	7.8
9th	-16.4	14.5	-6.4	13.3	1.8	4.8	-3.9	6.8	4.8	-4.2
10th	-8.6	-6.6	-5.5	-2.2	0.4	1	-4.6	-2	3.7	-2.8
11th	58.2	22.9	33.9	0.8	-6.7	-3.8	20.6	-2.1	-16.7	2.1
12th	-12.2	10	-3.1	6.4	2.6	-2.8	0.7	1.2	-0.4	3.7
13th	-0.5	-8.7	-2	-2.7	0.7	3	0.3	2	-0.9	-0.6
14th	16	-5.6	2.4	-3.4	-5.9	4	-4.9	4.1	4.2	-7.6
15th	6.1	8.3	4.2	1.6	-3.1	-2.3	-4.1	-2.6	4.1	-0.3
16th	-4.3	-13.4	-4	-2.2	3.7	4.6	5.5	4.6	-1.2	-1.6
17th	7.2	-2.8	1.2	-1.4	-2.4	2.9	-1.6	3.1	1.2	1.9
18th	1.2	4.6	1.2	0.6	-1.9	-1.3	-1.3	-0.7	-2.1	-0.3
19th	-7.5	3.2	-0.4	0.6	2.2	-3.8	0.1	-1.2	0.9	-4.6
20th	4.3	-4.9	-0.6	-0.3	-0.3	3.4	0.6	-1.1	0.6	2.5

RUN 34   PT 11

V/OR = 0.102
VKTS = 40.7

ALFS,U = -2.00
MTIP = 0.606

CLRH/S = 0.065462
CXRH/S = 0.001859

CTH/S = 0.065487
CP/S = 0.002880

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	31		729.4		352.3		1294		-85.6	
RMS	318.5		269.9		297		270.1		136.9	
1/2 P-P	646.1		664.4		668.3		603.5		260.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-27.6	416.4	4.9	295.3	46.6	270.2	46.2	170.3	19.8	170.2
2nd	32.9	14.8	50.2	-3.2	91.6	-13.1	95	-19.9	47	10
3rd	29.9	-153.1	4.3	-152.4	6.6	-193.6	-15.6	-167.3	5.1	-26.2
4th	-4.1	3.4	-6.9	61.9	-9.5	90.6	-32.4	101.3	-37.6	-50.6
5th	-16.6	19.6	0.6	133.5	3	208.8	21	236.6	0.5	13
6th	13.9	-21.5	4.1	0.5	-10.5	18.8	-36.9	42.5	-9.5	5.3
7th	-9.6	-.9	14.6	9.4	17.4	21.1	-9.3	22.1	-3.8	3.1
8th	6.1	-1.9	0.1	-24.1	1.6	-13.1	8	21.9	3.7	9.1
9th	-8.4	8.2	7.9	-7.8	4.7	-8.8	5.3	1.1	-0.3	-6
10th	-7.9	2.2	3.3	6.6	0.7	1	-0.3	-7.6	1.3	-7.7
11th	-31.9	-27.1	-85.9	-19.5	-7.9	-3.3	61.4	11.9	3.1	10.7
12th	9.1	-8.3	11.8	-23	-1.9	-3.8	-5.7	10	-4.4	-0.3
13th	0.4	7.5	5.7	20.6	0.2	5.7	-4.1	-6.4	-0.8	-0.7
14th	2.4	-1.9	-5.1	7.1	14.6	-7	-4.1	2.1	24.5	1.4
15th	-0.5	0.2	-8.3	2.9	6.5	11.4	2.4	-0.1	-5.1	-1.4
16th	2.4	1.3	16.8	5	0.6	-11.9	3.5	4.1	12.7	1.8
17th	-0.3	-1.8	-2.2	5.8	7	-3.5	-2.6	3.2	0.5	0.1
18th	-1.9	-1.4	-1.2	-2.4	6.8	3.2	-1.1	-3.2	-3	-3.2
19th	3.2	-3.7	2.5	-3.7	-6.2	11.9	4.9	-4.2	-0.9	2.1
20th	-10.1	-9.2	6	3.9	22	-5.1	14.3	11.7	3.3	1.6

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RUN 34   PT 12

V/OR = 0.092 ALFS,U = -2.00 CLRH/S = 0.064824 CTH/S = 0.064849
VKTS = 36.8 MTIP = 0.606 CXRH/S = 0.001856 CP/S = 0.002988

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	162.2		2.7		52.7		-36.7		11.8	
RMS	80.4		62.7		55.3		89.8		38.4	
1/2 P-P	196.7		164		129.2		176.3		98.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-12.7	41.3	-20.6	4.8	-23	-12.4	-45.3	-31.9	-12.4	-13.5
2nd	1.4	2.4	-11.9	-3.3	-18.5	-5.4	-55.6	-3.4	-30.3	2.3
3rd	-33.3	17.5	-33.8	32.3	-36.1	43.5	-43.1	79.5	-6.9	15.8
4th	-39.5	-21.5	-36	-7.2	-31.6	-0.8	20.7	9.8	21.1	-0.3
5th	7.9	0	6	3.9	5.7	8.4	-1.8	-13.2	4.5	-8.8
6th	-29.2	10.2	-22.8	14.2	-15.2	11.7	12	-13	-6.6	1.1
7th	-31.1	-10	-24.6	-2.3	-12.4	0.2	2.7	-4	-14.1	5.6
8th	4.3	40.3	9.3	27	4.2	9.3	1.1	6.9	2.4	10
9th	-15.7	15.2	-6.2	14.3	0.4	5	-6.4	7.7	6.1	-5.1
10th	-4.4	-8.9	-3.5	-3.5	0.1	1.1	-3.8	-3	4	-2.8
11th	59.4	23.3	34.7	1	-6.5	-4.1	22.1	-2.7	-17.1	2.7
12th	-9.3	6.4	-2.4	4	2.1	-2.5	0.6	0.6	-1	4.7
13th	1.7	-8.2	-0.9	-2.5	-0.1	2.6	-0.4	2.7	-1.4	-1.5
14th	11.2	-2.4	1.8	-1.7	-4.1	2.1	-4	2.1	3.3	-5.8
15th	0.7	6.6	2.1	2.1	-0.6	-2.5	-1.6	-3.5	2.7	1.1
16th	-0.8	-5.8	-1.2	-1	1.4	2	2.6	2.4	0.5	0.4
17th	3.6	0.7	1.1	-0.1	-1.8	0.5	-1.4	1.3	0	1.6
18th	0.5	1.2	0.9	0.4	-0.9	-0.1	-1.5	-0.7	-1.1	-0.2
19th	-1.4	-0.6	-0.1	-0.1	0.8	-0.8	0.1	-0.8	0.7	-0.9
20th	0.7	-1.7	-0.5	-0.1	0.5	0.7	0.7	0.1	1.4	1.3

D-531

RUN 34　　PT 12

V/OR = 0.092　　ALFS,U = -2.00　　CLRH/S = 0.064824　　CTH/S = 0.064849
VKTS = 36.8　　MTIP = 0.606　　CXRH/S = 0.001856　　CP/S = 0.002988

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	35		729.4		345.7		1283.9		-91	
RMS	319.1		280.4		318.2		296.6		135.5	
1/2 P-P	667.7		686.5		720.7		638.1		249	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-19.8	409.5	17.5	289.7	64.9	260.8	65.1	159.7	19.1	166.6
2nd	35.5	20.8	52.1	1.9	92.4	-4.3	96.5	-10.3	50.8	10
3rd	39.9	-167.8	10.2	-169.1	15	-216.4	-14.2	-189.8	6.3	-26.5
4th	-2.1	6.1	-9.8	72.9	-18.9	104.5	-42.6	117.2	-38.1	-53.8
5th	-20.6	24.4	-8.8	154.5	-12.1	244.8	5.1	272.6	2.5	12.9
6th	19.4	-22.3	6.5	3.1	-8.6	22.3	-43.1	48.6	-7.8	-0.2
7th	-8.3	-12.5	15	9.8	15.6	24.3	-9.1	27	-5.7	2.4
8th	5	-1.2	-0.8	-26.2	1.7	-13.5	9.5	19.4	6	11.2
9th	-8.9	2	6.5	-12.5	7.8	-8.8	3.7	4.9	0.5	-3.9
10th	-8.8	1.4	0.7	8.5	1.2	0.9	3.1	-5.6	2.4	-7.8
11th	-32.4	-35.3	-88.4	-26.2	-7.6	-6.2	63.3	15	2.3	9
12th	13.1	-16.4	13.3	-30.2	1.5	-10.4	-6.6	10.7	-3.8	-0.1
13th	-0.1	11.8	4.6	27.7	0.9	11.1	-3.1	-7.9	0.8	-2
14th	3.4	-1.8	-1.9	4.9	12.3	-1.7	-4	1.4	18.3	0.3
15th	-0.8	-0.8	-3.9	3.7	3.2	14.2	2.2	0.6	-4.4	-3.6
16th	1.3	0.4	8.4	1.8	3.6	-6	2.6	1.8	4.3	1.8
17th	-0.8	-2.5	-1.2	3.5	6.2	3.3	-1.4	1.2	0.4	0.8
18th	-1.8	-0.7	-0.4	0.3	3.9	2.1	0.3	0.5	0.2	-3.6
19th	-0.6	-0.6	1.8	-2.6	0.2	-2.7	3.5	-1.7	-0.6	-0.2
20th	-8	-6.9	3.8	2.2	13.9	0.9	11.5	5.3	1.3	2.5

D-532

RUN 34   PT 13

V/OR = 0.082 ALFS,U = -2.00 CLRH/S = 0.065406 CTH/S = 0.065432
VKTS = 32.8 MTIP = 0.605 CXRH/S = 0.001888 CP/S = 0.003194

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	164.8		5.2		56.6		-27.7		17.9	
RMS	80.5		65.9		60.4		97.2		41.1	
1/2 P-P	197.1		173		143.3		187.8		103.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-11.2	43.4	-22.1	7.1	-27.3	-10.3	-55.4	-28	-13.9	-11.5
2nd	4.9	1.9	-8.7	-4.2	-13.5	-6.3	-57.9	-6.8	-33.6	2.7
3rd	-37.9	21.9	-38.4	38.3	-41.7	48.7	-48.7	85.5	-10.8	16.1
4th	-41.6	-21.8	-37.7	-6	-33.8	0.4	25	10.5	22.7	-1.9
5th	11.8	0.2	9.6	4.8	7.8	10.8	-6.6	-13.8	8.3	-10.5
6th	-29.5	11.2	-23.4	15.6	-15.3	12.6	12.4	-14.9	-6	1.6
7th	-32.8	-13.3	-26.4	-4.3	-13.2	0	6.1	-4.1	-16.9	6.6
8th	5.6	41.7	10.3	28.1	4.2	10.3	0.4	8.5	1.2	10.3
9th	-17.6	11.4	-8.6	12.2	-0.7	4.5	-7.6	6.8	6.2	-6.1
10th	-6.5	-9.3	-4.6	-3.2	0.3	1.4	-3	-4.2	5.2	-2.3
11th	45.7	26.9	28.3	6	-5.2	-3.3	18.1	1.2	-13.4	0.9
12th	-8.5	5.5	-1.8	3.6	1.9	-2.3	0.9	1.6	-2.3	3.5
13th	0.3	-5.3	-0.9	-0.8	-0.2	1.6	-0.3	1.7	-1.9	-1.6
14th	6.9	-1.6	1	-0.8	-2.6	1.4	-2.7	1	3	-4.1
15th	2.5	2.4	1.8	0	-1.1	-0.5	-0.8	-0.8	3.2	-0.1
16th	-3	-1.1	-0.8	0.7	1.6	-0.2	2	-0.2	-0.3	1.4
17th	1.6	-0.3	0.3	0.1	-0.4	0.6	-1	0.6	-0.9	0.7
18th	2.2	1.4	1.1	0.1	-1.6	-0.1	-1.2	-0.6	-0.8	-0.1
19th	0.3	0.5	-0.1	-0.3	-0.2	-0.7	0.1	0.1	-0.1	-0.3
20th	2.3	-2.7	-0.7	-0.3	0.1	1.4	0.1	0.3	0.4	2.6

D-533

RUN 34　　PT 13

V/OR = 0.082　　ALFS,U = -2.00　　CLRH/S = 0.065406　　CTH/S = 0.065432
VKTS = 32.8　　MTIP = 0.605　　CXRH/S = 0.001888　　CP/S = 0.003194

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	44.4		731.8		350.9		1271.3		-100.7	
RMS	323.2		292.5		342.2		326.1		137	
1/2 P-P	693.9		741.2		774.1		674.4		247	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-3.7	405	34.3	283.3	91.6	251.9	95.5	152.4	17.7	165.2
2nd	41.2	24.2	55	5.7	88.3	1.4	88.3	-3.7	59.8	10.3
3rd	48	-186.2	13.6	-192.8	19.1	-244.2	-12.4	-213.2	7.1	-24.8
4th	-4.7	6	-18.6	79.2	-30.6	115.8	-54.3	133.4	-40.9	-56.6
5th	-31.3	22.5	-35.6	172.5	-51.4	271	-34.9	304.8	-0.5	14.6
6th	21	-26.7	1.3	1.5	-19.5	24.1	-53.2	54.5	-6.3	-0.8
7th	-6.6	-14.1	14.4	12.6	13.5	29	-15.1	30	-5.2	2.8
8th	3.4	-2.3	-1.7	-25.2	3.7	-11.6	13.4	25.9	7.1	11.3
9th	-7.2	-1.2	9.1	-11.8	8.4	-7.4	5.2	7.9	1.4	-4.2
10th	-10.7	-3.6	0.3	5.4	0.8	-0.4	2.4	-2.7	2.5	-7.9
11th	-17.6	-45.4	-67.7	-44.4	-4.7	-11.2	48.2	28.2	2.2	8.9
12th	22.2	-27.1	17.8	-44.8	3.7	-19.3	-8	16.1	-6.2	-1.6
13th	2.3	16.2	10.9	30.3	5.2	16.8	-5.2	-8.2	0.9	-2
14th	2.7	-1.5	-0.3	5	8.2	1.3	-2.8	1.3	13.3	-0.6
15th	-0.6	-0.6	-2	5	4.7	7.9	1.7	0.3	-3.7	1.3
16th	1.7	-0.5	5.9	-2.2	1	-1	2.1	1.2	2	-2.4
17th	-1.8	-2	0.7	3.8	4.1	2.7	-0.6	2	1.6	0.8
18th	-3.2	0.1	-1.1	1.7	5.7	0.7	-1.3	0.7	0.2	-2.3
19th	-1.9	0.1	0.8	-2.1	3.2	-4.7	1.4	-2.2	-0.9	-0.8
20th	-12.4	-2.6	4.8	0.1	16.7	-11.8	12.9	0.9	0.9	2.2

D-534

RUN 34　　PT 14

V/OR = 0.072　　ALFS,U = -2.00　　CLRH/S = 0.064935　　CTH/S = 0.064960
VKTS = 28.8　　MTIP = 0.607　　CXRH/S = 0.001860　　CP/S = 0.003381

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	164.9		5.8		58.4		-17.9		24.6	
RMS	76.9		64.7		61.7		101.4		42.8	
1/2 P-P	184.7		168.1		139.8		193		104.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-15.4	47.3	-24.6	9.8	-29.2	-7.5	-63.6	-24.1	-16	-9.9
2nd	6.9	1.1	-5.2	-5.5	-8.2	-7.4	-60.6	-9.2	-35.9	2.1
3rd	-40.2	23.6	-40.7	40.4	-44.4	50.5	-47.2	89.1	-15.6	16.6
4th	-42	-21.4	-38	-4.7	-34.1	2.5	26	9.8	24.1	-2.6
5th	20.6	-4.7	16.4	-0.4	12.9	6.7	-16	-10.2	11.3	-10.7
6th	-28.4	9.3	-23.4	14	-15.7	11.6	17.2	-13.9	-5.1	2.4
7th	-30	-22.7	-25.6	-11.5	-12.6	-3.5	6.6	-3.7	-18.4	5.4
8th	5.1	30.5	7.8	20.3	2.8	7.5	-0.7	8	-1	6.6
9th	-17.3	6.5	-9.6	8.9	-1.2	3.8	-6.2	3.7	5.3	-5.1
10th	-9.6	-5.4	-6	-0.1	0.2	1.7	-4.5	-2	7	-1.6
11th	29.5	17.3	18.1	4.2	-3.8	-1.7	12.2	2.2	-8.5	-0.3
12th	-8.7	3.1	-2.3	2.5	1.9	-1.8	0.4	0.3	-3.3	2.3
13th	-1.1	-2.7	-1.2	0.2	0	0.9	-0.3	1.3	-1.2	-0.5
14th	4.2	0.8	0.7	0.5	-1.7	0.7	-1	0.7	2.9	-1.6
15th	-0.6	2.7	0.9	0.8	0	-0.9	-0.5	-1.3	1.1	0.9
16th	1	1.7	0.7	0	-0.9	-0.7	-1.2	-0.2	0.6	0.4
17th	0.7	2.6	0.6	0.4	-0.9	-0.9	-0.7	-1.1	0.3	-0.1
18th	-1	0	0.8	0	0.2	-0.2	-0.4	-0.2	1.1	-0.4
19th	1.1	-3.2	-0.2	-0.2	-0.2	1.4	0.1	0.5	0.4	2.8
20th	5.3	3.4	-0.1	-0.3	-3.3	-0.7	0.5	0.1	-3.4	0.9

D-535

RUN 34   PT 14

V/OR = 0.072	ALFS,U = -2.00	CLRH/S = 0.064935	CTH/S = 0.064960
VKTS = 28.8	MTIP = 0.607	CXRH/S = 0.001860	CP/S = 0.003381

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	46.5		734.4		345.9		1261.6		-110.9	
RMS	321.1		296.8		359		342.2		136.6	
1/2 P-P	700		741		807.5		670.3		261.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	4.8	396.5	45.1	273.1	106.6	241.2	117.4	144	11.8	163.1
2nd	35.6	27.9	46.9	11.3	72	7.6	70.2	0.4	64.7	13
3rd	46.5	-196.5	8	-203.2	14.8	-254.8	-13.9	-220.4	6.7	-23.4
4th	-10.4	6	-30.4	80.7	-48.1	116	-73.2	134.8	-42.9	-55.2
5th	-42.6	29.9	-58.4	192.1	-84.2	299.5	-61.6	329.1	2.2	19.8
6th	23.7	-23.9	0.6	1.9	-20.2	23.2	-56	51.2	-0.1	-1.3
7th	-2.3	-11.3	13.7	22.2	8.4	40.2	-23.4	32	-5.8	3.5
8th	3.3	2.8	1.4	-15.7	7.3	-6.6	14.4	16.6	7.6	10.3
9th	-3	0.8	12.6	-8.1	9.7	-5.8	2.4	5	1.3	-2.5
10th	-10.2	-5.2	2.6	1.1	2.5	0.8	2.1	3.1	3.6	-6.9
11th	-3	-39.1	-38.5	-39.6	-0.7	-13.3	29	22.2	2	3.1
12th	28.9	-22.3	28.1	-40.5	8.6	-18.9	-12.2	14	-6.5	-2.9
13th	-0.4	16.3	6.7	29.7	1.5	19.6	-2.5	-7.7	1.1	-0.4
14th	2.2	-1.8	0.4	1.1	6.3	2	-1.9	1.7	10.9	-2.2
15th	-0.5	-0.8	-1.4	3.7	0.8	8.7	2.3	0.6	-3.4	-0.9
16th	1.4	0.4	1.3	-3.8	5.1	-3.2	0.6	-1.4	-0.2	1.6
17th	-1.7	-2.5	1	2.2	7	6.5	0.3	0	2.6	3.1
18th	-2.2	-0.5	-0.5	1.9	0.8	1.7	1.7	1	-1.2	-1.8
19th	-2.8	-0.5	2	1.2	3.5	-5.9	3.5	2.6	0.6	-2.1
20th	-7.8	-11.3	2.5	3.4	26.7	8.3	5.4	7.8	0.4	1.1

D-536

RUN 34   PT 15

V/OR = 0.061   ALFS,U = -2.00   CLRH/S = 0.065001   CTH/S = 0.065022
VKTS = 24.5   MTIP = 0.605   CXRH/S = 0.001731   CP/S = 0.003588

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	164.6		8.5		62.9		3.2		35.6	
RMS	68.4		56.7		55.7		98		44.6	
1/2 P-P	163.1		145.1		122.9		188.6		97.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-17	48.9	-25.3	11.2	-29.6	-5.8	-73.9	-17.3	-15	-6.2
2nd	7.5	2.6	-2.5	-4.3	-4.5	-7.6	-67.3	-11	-39.9	3.4
3rd	-36.4	23	-35.5	39	-38.9	47.4	-36	81	-22.6	16
4th	-37.7	-16	-32.5	-1.6	-28.8	4.1	17.4	7.4	21.3	-6.6
5th	21.5	-17.1	14.6	-12	10.3	-3.7	-10.1	1.3	15.6	-8.4
6th	-21.7	9.9	-18.2	12.6	-12.9	9.7	14.4	-11.3	0	3.5
7th	-32	-16.8	-25.8	-7.3	-12	-1.5	4.2	-3	-17.5	5.5
8th	4.5	10.4	4.3	6	1.6	2	1.7	3.1	-5.3	3.6
9th	-10.5	5.9	-5	6.8	0.2	3	-4	2.5	3.5	-2.9
10th	-8.2	-2	-4.8	1.1	0.2	1.1	-3.7	0.6	6.4	-3.2
11th	7.9	5.1	4.6	1.9	-1.7	0.6	3.4	1	-1.5	-0.8
12th	-5.8	1.4	-1.8	1	0.5	-0.9	-0.4	0	-1.6	1.3
13th	-2.1	0.7	-1.2	1.8	-0.7	0.5	-0.2	1.5	-1.3	0.6
14th	0.5	2.7	-0.2	1.7	-0.9	-0.4	-0.9	0	1.4	1
15th	-6.5	1.8	-1.3	1.6	2.2	-1	1.9	-2.1	-1.3	1.2
16th	1.3	8.2	1.9	1.3	-2.1	-2.9	-2.5	-3.2	1.4	1.8
17th	-0.9	5.5	1	1.4	-0.6	-2.5	-1.3	-2.6	0.7	-0.2
18th	0	-2	0.3	-0.1	0.4	1.1	0.1	0.5	1.3	0.4
19th	5.1	-7.2	-0.5	0	-1.1	4.7	0.7	0.4	-0.8	5.7
20th	5.6	3.7	0.3	-0.1	-4.3	-0.5	0.4	0	-4.3	1.3

RUN 34   PT 15

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	51.3		731.1		324.1		1234.7		-129.2	
RMS	319.7		289.9		351.2		327.5		133.4	
1/2 P-P	691.8		698.4		819.9		670.5		260.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-28.4	404.1	23.3	279.4	92.4	245.7	117.5	148	8.2	162.4
2nd	29.5	23.7	35.5	8.5	55.1	8.3	55.2	0.2	64.3	15.7
3rd	34.4	-179.1	-7.4	-187.1	-7	-235.7	-31	-199.9	7.3	-20.1
4th	-16.7	4.5	-38.3	71.2	-58.2	102.7	-77.4	120.2	-42.2	-42.9
5th	-42.4	34.7	-75.4	192	-110.5	296.9	-93.5	315.7	11.9	12.6
6th	25	-16.4	1.8	-5.3	-16.4	5.9	-45.9	27.9	5.6	-4.2
7th	-6.4	-10.2	15	17.4	13.7	34.1	-15.8	31.2	-6.3	5.3
8th	3.2	7.5	3.2	-1.8	6.4	-0.6	9.2	2.2	4.9	3.6
9th	-11.6	5.3	1.9	-3.2	5.5	-5.6	9.7	-0.9	3.2	-0.3
10th	-9.3	-12.2	-0.2	-6.9	1.2	-2	2.1	9.2	2.6	-4.4
11th	12.3	-14.3	-0.1	-16.8	4.8	-6.2	1.8	9.2	3.7	-0.4
12th	25.7	-12.7	26.9	-25.8	11.4	-12.6	-11.3	8.4	-5.6	-0.5
13th	-4.6	17.3	-0.3	29.5	-2.9	22.2	-1.1	-6.7	2.7	0
14th	1.5	-1	-1.7	-1.1	0.1	3	-1.5	1.4	6.6	-1.6
15th	0.5	-0.9	5.7	-2.2	-1.8	4.7	2.4	0.6	-2.8	-3.5
16th	1.5	-0.7	-2.9	-4.1	6.3	6.9	-0.6	-3.4	-2.2	3.2
17th	-2.3	-3.4	2.2	-2.8	8.8	7.7	2.1	-2.4	0.2	-0.7
18th	-0.1	-2.6	-0.7	1.9	-1	1.1	0.6	3.2	0.2	1.3
19th	0.1	-2	1	4.5	2.7	-9.5	-0.1	10.8	2.6	-2.6
20th	1.6	-23.8	0.7	8.5	25	31.6	2.4	24.2	1.9	1

RUN 34   PT 16

V/OR = 0.053	ALFS,U = -2.00	CLRH/S = 0.065006	CTH/S = 0.065025
VKTS = 20.9	MTIP = 0.604	CXRH/S = 0.001678	CP/S = 0.003733

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	164		10.7		66.5		27.4		45.5	
RMS	62.6		48.1		45.9		94.2		46.1	
1/2 P-P	143.9		121.2		97.9		172		94.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-22.5	52.7	-27.7	13.4	-29.6	-4.5	-87.2	-12.5	-12.6	-3.6
2nd	6	5.5	-1.6	-2	-2.5	-6	-65.8	-13.7	-45.5	3.9
3rd	-28.9	17.9	-28.1	31.2	-30.6	37.9	-29.7	63.4	-25.2	12.6
4th	-27.5	-15.7	-24.4	-4.1	-21.8	0.8	13.4	7.8	19.9	-7.2
5th	15.9	-24.1	8.4	-19	5	-10.6	-5.2	9.3	17.4	-4.9
6th	-13.5	7.7	-11.8	9.1	-8.3	6.7	8.7	-7.7	1.2	4.2
7th	-29.6	-9.9	-22.2	-2.8	-9.8	0.9	3.4	-2.5	-16	5.9
8th	9.7	2	7.4	-0.7	3	-0.1	2	1.1	-3.3	1
9th	-6.7	4.7	-2.4	5.2	0.8	2.4	-2.7	2.3	2.8	-3.4
10th	-5.9	-1	-3.1	0.8	0.5	0.7	-2.1	0.3	4.5	-2.4
11th	-0.6	-2.4	-0.9	-0.8	-0.6	1.7	-0.3	-0.5	0.3	0.8
12th	0.2	-2.2	-0.5	-1.9	-0.8	-0.1	-0.8	-0.9	-0.3	2
13th	-1.2	2.7	-0.5	1.8	-0.3	-0.3	-0.2	0.3	0.8	0.7
14th	-1.7	5.6	-0.1	2.1	-0.1	-1.7	-0.4	-1.8	-0.1	2.2
15th	-1.1	-4.6	-1.6	-1.2	0.5	2	0.9	1.6	-2	-1.5
16th	4.6	8.4	2.7	0.6	-3.1	-2.9	-4.5	-2.5	2.4	0.8
17th	-2.1	2.2	0.5	0.8	0.7	-1.2	-0.2	-1.8	1.3	0.1
18th	-1.3	-4.6	-0.6	-0.6	1.6	1.8	1.3	1.2	1.7	1.1
19th	1.6	-5.2	-0.5	-0.3	0.2	3	0.6	0.3	0.3	3.2
20th	-4.5	3.4	0.3	0.1	0.6	-3.1	-0.8	0	0.8	-2.7

D-539

RUN 34　　PT 16

V/OR = 0.053　　ALFS,U = -2.00　　CLRH/S = 0.065006　　CTH/S = 0.065025
VKTS = 20.9　　MTIP = 0.604　　CXRH/S = 0.001678　　CP/S = 0.003733

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	47.5		722.8		303.9		1207.7		-147.9	
RMS	316.2		267.9		309.4		278.9		129.1	
1/2 P-P	653.4		658.3		750.2		593.3		242.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-57.5	411	5.8	284.4	78.3	249.2	111.7	151	-1	160.6
2nd	17.2	24.7	22.3	8.5	37.1	8.3	39	1.6	62.2	18.7
3rd	20.1	-152	-16.8	-159.5	-19.9	-199.5	-37.7	-169	7.4	-11.6
4th	-13.3	1.6	-33.1	53.2	-49	76.3	-64.1	88.2	-31.1	-40.8
5th	-24.7	40	-45.1	169.8	-68.3	258.5	-60.6	264.7	16.2	7.3
6th	20.2	-11.9	1.3	-7.3	-12	-1.6	-33	15.1	5.4	-2.2
7th	-9.9	-9	11.7	8.2	11.7	19.5	-12.3	21.3	-7.7	4
8th	-2.2	8.6	-3.3	4.4	1	0.2	10	-6	2.2	0.2
9th	-16.5	-0.8	-4.8	-3.9	3	-3.8	13.1	1.9	1.9	1.6
10th	-10.4	-12.3	-3.2	-7.1	-1.1	-1.8	3.4	8	1.2	-2
11th	6.3	-0.9	6.4	-0.2	1.9	-1.5	-3.9	-1.3	0.7	-4
12th	0.4	-8.7	-1.6	-8.3	-0.8	-5.9	0.8	1.5	-1.9	3.4
13th	-3.5	8.4	-1.7	11.6	-1.6	11.6	0.3	-2.6	1.6	-0.6
14th	-0.1	-1.3	-2.3	-7.7	-1.6	1	0.8	0.3	0.3	0.5
15th	-0.1	1	5.7	0.2	1.8	-6.3	-0.6	0.4	6.2	0.6
16th	0.2	0.5	-12.1	-2.3	0.9	6	-3.7	-4.7	-4.4	3.8
17th	-2.1	-0.5	1.1	-2.1	1.6	2.9	2.3	-1.4	-0.5	-1.7
18th	-0.1	-0.3	1.4	5	-3.8	0.4	2.8	4.5	0.3	1.8
19th	1.9	1.9	0.1	4	-4.5	-4.8	-0.4	6.3	1.5	-1.2
20th	4	-2	-0.8	-2.4	-6.2	11	-1.1	-3.4	-1.6	0.1

D-540

RUN 34   PT 17

V/OR = 0.042   ALFS,U = -2.00   CLRH/S = 0.064796   CTH/S = 0.064817
VKTS = 16.8   MTIP = 0.606   CXRH/S = 0.001732   CP/S = 0.003881

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	164.5		13.2		71.3		53.5		55.9	
RMS	58.3		38.2		31.6		85.5		41.3	
1/2 P-P	126.9		95		65.6		143.6		81.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-29.4	55.6	-28.4	15.6	-27.1	-3.2	-96.5	-11.9	-13.1	-3
2nd	6.6	7.5	0.5	1	-0.5	-2.2	-55.4	-8.1	-46.8	2.8
3rd	-12.1	8.1	-13.8	15.5	-16.7	18.9	-21.2	31.6	-17.8	7.1
4th	-12.9	-8.4	-13	-2.3	-13	0.3	8.7	5.6	15.7	-4.3
5th	13.6	-26.1	3.3	-23.7	-0.8	-17.2	-0.2	17.4	13.6	0.2
6th	-4.2	6.5	-3.6	6	-2.9	4.4	3.6	-3.8	0.8	1.7
7th	-22.3	-10.6	-16.8	-4	-7.3	0.3	1.9	-2.2	-10.8	2.6
8th	14.8	0.7	10.5	-1.5	4.3	0.8	3.4	0.1	-0.3	1.2
9th	-0.9	-1.6	-0.9	1	-0.5	2.5	-0.7	-0.8	1.1	-0.4
10th	-8.4	-4.2	-5.7	-0.4	-0.1	1.1	-4	-0.2	3.1	-1.2
11th	-20.5	6.1	-9.8	7.1	1.9	0.6	-5.7	5.1	5.3	-3.6
12th	-2.9	-0.6	-1.4	0	0.2	0.1	-0.4	0.4	0	0.4
13th	-3.1	5.1	-0.4	2.2	-0.3	-1.6	0.4	-0.6	-0.5	1.4
14th	-0.4	2.5	0.4	0.8	-0.4	-0.6	-0.2	-0.8	-0.5	1.2
15th	3.5	-3.2	0.7	-2.1	-1.1	2	-1	1.7	0.9	-2.2
16th	2.8	3.6	1.4	0.1	-1.8	-0.9	-2.3	-1	1.8	-0.3
17th	-0.1	1.6	0.2	1	-0.4	-0.5	-0.3	-1.1	0.1	0.9
18th	0.4	-2.9	-0.4	-0.3	0.5	1.3	0.6	0.9	0.2	1.3
19th	1.2	-3.6	-0.5	-0.2	0.1	2	0.6	0.3	0.2	1.6
20th	-2.2	1.4	0.2	0.1	0	-1.8	-0.4	-0.1	0.5	-1.5

RUN 34   PT 17

V/OR = 0.042　　ALFS,U = -2.00　　CLRH/S = 0.064796　　CTH/S = 0.064817
VKTS = 16.8　　MTIP = 0.606　　CXRH/S = 0.001732　　CP/S = 0.003881

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
MEAN	45.2		715.7		282.9		1179.7		-169.2	
RMS	313.5		242.3		253.4		214.6		123.3	
1/2 P-P	603.2		607.7		626.1		483.7		211.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-124.4	410.1	-42.4	284.1	35.3	248.5	86	152.8	-10.7	157.5
2nd	19.3	-1.3	16.2	-11.1	23.7	-10.3	25.9	-11.8	58.1	20.3
3rd	40.1	-84.4	12.7	-90.9	8.3	-111.9	-5.7	-94.4	9.5	-2.3
4th	-0.4	3.9	-16.5	35.1	-26.7	48.6	-35.9	54.5	-15.5	-27.1
5th	-10.1	49.4	-50	138.3	-82.2	201	-89.6	192.2	21.1	2.8
6th	9.8	1.2	-1.4	-10.5	-7.2	-17.7	-15.4	-13.4	4.7	-0.4
7th	-4.6	-13.1	10.9	1.5	9.9	9.5	-8.9	11.1	-8.7	3.5
8th	-2.2	1.6	-10.2	3.2	-6.2	0.7	8.2	-2.4	3.5	-0.5
9th	0.2	-19.6	-1.8	-9.2	1.1	-1.5	4.4	13.3	1.6	-0.1
10th	14.4	-12.4	15.5	-9.5	3.5	-3.5	-12.2	7.2	0	-3
11th	20.4	9.7	33	-5.9	5.4	2	-22.2	4.6	0.1	-2.2
12th	2.7	6	7.9	4.4	2.4	2.9	-2.6	-2.1	-2.4	0.6
13th	-6.8	-5.7	-13.9	-11.1	-11.2	-2.3	3.9	3.8	0	1.1
14th	-0.4	-0.7	-3	-4.9	-1.5	-1.2	1.2	0.8	-2.4	-0.1
15th	0.1	0.4	2.8	-0.6	6.1	-8	-0.1	-0.4	0.9	1.6
16th	-0.3	0.1	-9.7	-1.5	-4	2.1	-2.9	-2.5	-2.6	2.3
17th	1	-2	-1.4	-0.1	-0.8	4.4	-0.6	1.2	1	-3
18th	1.5	-1.1	0.3	1.8	-2	-1.1	0.7	2.7	0.9	0.8
19th	3.2	0.9	-0.8	3.3	-6.3	-1.7	-2.5	5.5	0.1	-0.5
20th	14.8	0.1	-5.5	1.3	-21.2	14.5	-13.2	4.8	-1.7	0.5

D-542

RUN 34   PT 18

V/OR = 0.032   ALFS,U = -2.00   CLRH/S = 0.065049   CTH/S = 0.065070
VKTS = 12.9   MTIP = 0.606   CXRH/S = 0.001731   CP/S = 0.004111

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	164.9		16.3		75.1		65.4		68.7	
RMS	49.5		26.4		20.1		75.7		32.6	
1/2 P-P	99.6		53.3		40.5		127.9		62.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-33.5	56.4	-26.2	17.2	-21.7	-1.1	-98.4	-11.7	-17.3	-3.7
2nd	2.4	6.3	-0.1	1.8	-0.5	-0.2	-30.3	-8.1	-38.7	0.9
3rd	-2.7	5.4	-6.2	10	-8.8	12.4	-11.9	19.6	-10.9	5.1
4th	-1	-3.8	-2.2	-2.5	-2.3	-1.9	1.1	3.2	7.7	-1.7
5th	5.3	-10	1.1	-10.4	-1.1	-8	1.4	8.6	7.2	-0.4
6th	0.8	-0.1	-0.2	-0.8	-0.4	-0.5	1.1	0.8	1.1	0.6
7th	-7.4	-5.6	-6	-1.8	-2.2	1.2	1	-1.5	-4	1
8th	2.1	-6.9	0.3	-4.7	0.1	-0.5	0.8	-1.4	-1.4	-0.2
9th	0.1	-0.3	-0.3	0.7	-0.6	1.4	0.1	-0.1	-0.4	0
10th	-2.1	1.9	-1.6	2.1	-0.4	0.8	-0.8	1.5	0.8	-1.5
11th	-11.9	-2.7	-6.9	0.7	1.1	1	-4.3	0.8	3.8	-0.3
12th	-2.3	4.9	0.1	2.5	0.2	-0.6	0.3	0.7	-0.1	-0.1
13th	-1.5	1.9	0.1	0.7	0.2	-0.6	0.4	-0.4	-0.7	0.4
14th	0.2	-2.6	0.2	-0.9	0.4	1.2	0.5	0.6	-0.7	-0.8
15th	3.7	-2.5	1	-1.5	-0.9	1.6	-1	1.6	1.1	-1.6
16th	0	-2	-0.5	-0.7	0.1	1	0.5	0.8	-0.1	-0.5
17th	-0.2	-1.3	-0.5	-0.1	0.1	0.7	0.6	0.4	-0.4	0.1
18th	-0.3	-0.6	-0.4	-0.4	0.1	0.2	0.3	0.4	-0.6	-0.1
19th	0.3	1.6	0.4	-0.1	-0.8	-0.6	-0.3	-0.1	-0.5	-0.6
20th	-3.4	-0.4	-0.1	0.4	1.7	-1	-0.4	-0.2	2.2	-0.8

D-543

RUN 34   PT 18

V/OR = 0.032   ALFS,U = -2.00   CLRH/S = 0.065049   CTH/S = 0.065070
VKTS = 12.9   MTIP = 0.606   CXRH/S = 0.001731   CP/S = 0.004111

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	37		703.7		260.9		1155.1		-187.1	
RMS	296.4		207		190.8		148.2		105.5	
1/2 P-P	525.8		468.8		458.7		321.4		177.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-155.9	381.3	-68.5	263.3	4.3	228.3	59.6	141.6	-11.9	142.7
2nd	-1.9	-8.9	-2	-13	2.7	-11.3	7.6	-9.5	33.7	14.4
3rd	52	-41.1	29	-46.1	23.3	-59.1	11.3	-49	11.1	2.6
4th	-0.6	4.1	-5.5	14.9	-8.7	19.5	-9.8	20.2	-0.5	-9.2
5th	-15.1	22.2	-55.5	60.3	-87.4	85.1	-95.5	81.4	3.1	0.8
6th	5	4.9	-0.6	-3.4	-2.4	-9.2	-5	-13.7	4.8	1.6
7th	-3.2	-20.2	3.5	-2	6.5	9.2	2.2	18	-3.2	-2.9
8th	1	-1.3	0	4.8	-0.7	3.7	-1	-1.5	0.8	-1.4
9th	8.7	-12.9	3.6	-8.4	1.5	-1.7	-2.7	9.2	1.1	-1
10th	9.5	-3.7	7.4	-6.2	2.9	-2	-5.8	5	1.6	-0.4
11th	5.7	7.6	15.7	3.9	0.7	1.1	-11.3	-2.6	1.2	-0.8
12th	1.1	-3.3	0.7	-9.2	-0.5	-0.4	-0.4	4.9	-2.5	0.8
13th	1.7	-9.8	-1.8	-20	-1.6	-11.7	0.4	5.3	-1.2	-0.3
14th	0.2	-0.6	2.5	-3	1.5	-6.4	0.4	0.4	-1.6	-1.9
15th	-0.1	-0.1	4.2	4	8.6	-1.7	0.2	-0.1	-0.3	2.8
16th	-0.3	0.3	-1.2	-2.6	-3	-6.1	-0.5	-1.1	0.6	1.9
17th	2.5	-0.5	-0.4	2.3	-4.5	1.3	-1.1	1.9	-0.7	-1.6
18th	1.5	1.7	-0.3	-1	-3	-2.9	-0.8	-0.9	-0.6	1
19th	1.1	0	-3	0.2	-2.3	3	-3.6	-0.6	0.8	0.2
20th	2	8.6	-0.8	-4.1	-13.3	-8.2	-2.7	-9.4	0.4	-0.7

RUN 38　　PT 5

V/OR = 0.250　　　ALFS,U = 5.00　　　CLRH/S = 0.064408　　CTH/S = 0.064728
VKTS = 99.7　　　MTIP = 0.605　　　CXRH/S = -0.006481　　CP/S = 0.000260

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	142.3		-25.2		-5.8		-104.4		-10.7	
RMS	55.3		64.9		77.4		81.8		22.5	
1/2 P-P	146.9		124.3		133.4		144.4		43.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	20.1	-20.4	31.9	-56.9	43.6	-81.6	44.6	-82.2	-3.2	-20.2
2nd	-12.7	26.2	-14.2	37	-19.3	45.7	-36	52.2	-8.2	16
3rd	17.5	-28.9	10.1	-30.8	7	-24.8	7.5	16.1	0.8	4.1
4th	13.5	-0.2	10.3	-4.9	2	-4.6	0.5	0	1.7	0.7
5th	11.1	-8.1	9.3	-10.5	4.7	-8.3	-3.7	2.7	2.1	0
6th	7.4	-0.9	4.6	-2.8	-0.4	-2.9	0.1	-2.8	1.2	-0.7
7th	11.7	0.8	8.6	-1.2	1.1	-0.5	0.1	-1.9	0.5	-0.3
8th	-10.6	30.8	-3.1	23.1	-2.6	7.6	-3	3.5	-0.9	5.5
9th	-8.7	12.3	-2.3	8.4	0.5	0.5	-4	4.2	2.5	-1.6
10th	-0.5	11	1.6	6.5	0.3	0.7	-0.4	4.7	1.6	-3.6
11th	-26.2	17.8	-10.4	13.7	3	-2.3	-6.5	8.5	5.9	-5.8
12th	-3.7	-11.2	-3.3	-5	1.9	1.5	-1.6	-1.7	1.7	2
13th	1.8	-10.8	-1.7	-5.1	-0.2	2.4	-1	-0.5	1.7	-0.1
14th	0.3	-10.5	-2.4	-3.5	1.2	2.5	0.3	1.9	0.3	-2.5
15th	0.4	-9.5	-2.3	-2.6	0.5	3.5	1.2	3	-0.2	-2.9
16th	4.4	-4.3	-0.2	-1.7	-1.3	1.8	-1.3	2	1.8	-1.1
17th	3.8	1	0.2	-0.2	-1.3	-0.4	-1.4	0	1.5	-1
18th	3.4	3	0.7	0.3	-1.9	-1	-1.5	-0.2	0.4	-1.8
19th	4.9	6.2	0	-0.4	-3.8	-1.9	-0.5	0.4	-2.8	-3.8
20th	-5	5.9	0.2	0	0.9	-4.9	-0.2	1.4	2.5	-5.8

RUN 38   PT 5

V/OR = 0.250   ALFS,U = 5.00   CLRH/S = 0.064408   CTH/S = 0.064728
VKTS = 99.7   MTIP = 0.605   CXRH/S = -0.006481   CP/S = 0.000260

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-80.2		678.6		411.2		1373.1		-23.6	
RMS	302.7		312.2		383.3		321		96.7	
1/2 P-P	530		552.1		611.1		542.1		192.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-334.1	243.5	-342.6	219	-397.5	294.5	-337.1	221.9	54.6	104.9
2nd	49.6	-39.2	75	-64.8	106.3	-129.5	97.3	-130.4	-15	11.9
3rd	-53.1	65.1	-65.2	94.8	-67.5	107	-57.6	59	30.2	-44.2
4th	2.1	1.8	-10.9	-1.2	-0.7	-2.5	2.4	-15.9	-0.2	16.6
5th	-14.3	6.3	-15.1	-28.4	-7.4	-54.2	2.7	-82.4	1.5	11.6
6th	1.1	9.6	-8.7	9.7	-5.6	8.7	-.9	-2.9	14.6	10.3
7th	12.5	3.9	-2.1	2.2	-1.6	-0.4	-3.7	-4.9	-3.4	-1.7
8th	3.6	-2.2	4.8	-25.5	5.8	-15.2	-7.2	16.3	-0.4	9.4
9th	-5.9	2.2	-0.3	-9.8	0.1	-5.2	-5.1	4.1	-4.2	2.2
10th	3.5	-3.6	0.8	-12.2	1.4	-1.3	-1.4	14	-0.3	-4.5
11th	25.2	-13	36.1	-39.2	6.6	-6	-23.6	27.4	-5.6	4.3
12th	3.2	4.6	11.5	9.7	0.8	-2.1	-4.1	-6.1	-1.7	5.4
13th	-12	-5.5	-22.3	2.3	-19.1	-9.6	5.8	-2.4	7.8	0.3
14th	0.6	-0.2	1.4	1.2	-5.1	-11.3	-0.5	-0.3	10.3	-3.1
15th	1.7	-1.8	6.8	2.7	0.5	-8.1	0.9	1.1	10.6	-7.3
16th	-1.2	-0.6	0.4	4.7	2.9	-1.9	0.3	0.9	-3.5	-0.2
17th	0.9	-0.9	0	0.9	5.5	2.2	-1.4	-0.9	0.5	-1.4
18th	-0.7	-2.7	-2.4	-0.8	6.4	5	-2.1	-1.2	-5.7	1.1
19th	-0.4	4	-6.3	-4.5	1.9	-2.2	-11.5	-10.5	-2.9	4.1
20th	5.6	-0.9	-2	-4	-8.2	15.5	-3.6	-10	-4.5	2.4

D-546

RUN 38   PT 6

V/OR = 0.224   ALFS,U = 5.00   CLRH/S = 0.064556   CTH/S = 0.064870
VKTS = 89.3   MTIP = 0.606   CXRH/S = -0.006309   CP/S = 0.000460

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	146.8		-20.7		-1.9		-101.8		-9.9	
RMS	45		53.6		64.1		73.3		20.8	
1/2 P-P	139.7		104.7		108.8		132.4		53.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	13.9	-15.5	23.8	-47.8	33.5	-68.2	37.7	-70.5	-2.7	-17.5
2nd	-13.2	17.9	-17.1	27.6	-23.4	36	-42.1	44.5	-10	13.1
3rd	13.2	-24.3	6.3	-25.9	3.7	-19.2	1.3	17.1	-1.6	3.5
4th	4.3	-2.5	2.5	-5.5	-3	-4.6	5	0.8	2.7	0.7
5th	8.1	-8.4	6.7	-9.4	3.7	-6.2	-1.9	0.8	1.1	0.2
6th	7	0	5	-2.6	2.4	-2.1	0.1	-3.7	-1.9	0.6
7th	11.8	5.7	9.7	1.9	3.1	0.5	-0.3	-2.2	-0.5	2.5
8th	-14.4	25.3	-6.5	19.2	-2.8	5.7	-3.4	2.4	-1.2	5.9
9th	-7.9	4.9	-2.8	3.5	1.3	-0.7	-3.2	0.4	2.5	-0.1
10th	-3.4	-2.5	-2.1	-1.5	-0.6	-0.5	-1.9	-2.8	1.3	1.8
11th	1	-27.4	-4.4	-14.8	-0.1	2.1	-2.9	-10.6	0.9	9.7
12th	11.8	-8.2	4.3	-6.4	-1.2	1.1	1.7	-4.6	-1.8	4.7
13th	6.4	-3	1.5	-3.7	-1.4	0.6	-0.2	-3.1	-0.2	2.4
14th	1	-1.2	0.1	-0.9	0.7	0.1	0.7	-1.8	-1.1	1.8
15th	-4.1	4.5	-0.4	2.5	1.3	-1.8	1.4	-3.8	-1	4.3
16th	-1.9	-4.7	-1.3	-1	1.7	1.3	1.9	0.9	-0.6	-0.2
17th	0.3	-1.7	-0.5	-1.1	1	0.4	0.3	0.8	0.3	-1.3
18th	0.6	0.3	0	-0.2	0.2	0.5	-0.7	0.3	0.7	-1.1
19th	-2	0.1	-0.1	-0.2	1.5	-0.7	-0.5	0.7	2.3	-1.7
20th	-1.2	-6.2	-0.3	0.4	2.7	2.6	-0.5	0.2	4.1	2.2

D-547

RUN 38   PT 6

V/OR = 0.224 ALFS,U = 5.00 CLRH/S = 0.064566 CTH/S = 0.064870
VKTS = 89.3   MTIP = 0.606   CXRH/S = -0.006309 CP/S = 0.000460

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-72.5		678.9		404.8		1364		-24.9	
RMS	296		288.4		339.6		282.1		95.2	
1/2 P-P	488.6		482.5		600.4		497.9		194.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-313.2	260.8	-307.4	221.8	-341.8	272.2	-284	200.8	48.6	107.9
2nd	53.6	-30.6	74.1	-50.5	109.8	-109.3	105.7	-112	-9.2	2.4
3rd	-31.8	54.5	-44.3	78.6	-46.2	83.9	-37.9	41.2	30.8	-41
4th	4.8	-2.5	-4.5	-4.2	2.1	-5.6	3.5	-17.9	-12.5	8.2
5th	-9.3	6.9	2.4	-29.3	16.9	-59.2	28.6	-87.6	-5	11
6th	0.4	8	-9.3	16	-11.5	20.3	-11.5	8.3	9.2	21.9
7th	9.5	3.3	-2.1	-0.3	-4	-0.1	0.4	-2.5	-2.4	-2.6
8th	1.3	-3.7	8.7	-21.4	7.7	-11.5	-6.2	13.5	-2.3	11.3
9th	-4.2	2	2.7	-4.2	0.2	-2.9	-4.5	-3.1	-7.1	1.4
10th	11.9	-2.3	12.1	-2.5	2.6	0	-9.9	0.2	2.9	1.7
11th	6.9	19.1	17.2	36.3	4.8	3.6	-9.7	-27.6	3.1	-1.2
12th	-4.3	0.3	-12.4	9.3	-2.5	-1.9	6.4	-8	-2.8	1.3
13th	-18.1	-12.5	-42.2	-7.8	-27.7	-9.5	11.7	-1.1	-0.6	5.9
14th	0.3	-0.2	2	1.2	-0.5	1.9	1.7	-1.4	-5.2	2.9
15th	0.7	-3.3	4.5	-0.2	-0.8	13.4	2.7	-0.7	1.1	-2.9
16th	-0.3	0.3	4.7	2.8	-4	-1.2	2.4	0.1	-5.1	-2.2
17th	0.5	0.2	2.7	3.2	0.3	1.9	0.7	-0.9	-2.9	4.9
18th	-2.4	-2.1	2.4	0	4.5	1.2	2.8	-1.1	-0.1	1.3
19th	-5.6	2.2	2.7	-4	2.4	-7.7	7.1	-7.7	0.5	0.6
20th	9.5	-0.1	-1.3	4.2	-20	4.2	-1.7	10.1	0.8	-5.6

D-548

RUN 38   PT 7

V/OR = 0.198   ALFS,U = 5.00   CLRH/S = 0.064571   CTH/S = 0.064860
VKTS = 79.0   MTIP = 0.606   CXRH/S =-0.006134   CP/S = 0.000674

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	149.7		-17.8		-0.1		-96.6		-8.4	
RMS	33		40.8		52.1		64.1		18.2	
1/2 P-P	96.1		83.5		88.9		114.9		44.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	9.5	-6.3	16.5	-36.5	23	-54.1	29.6	-59.6	-0.8	-15.4
2nd	-13.3	11.7	-19.4	20	-28.1	28	-45.2	36.1	-10.4	10.2
3rd	11	-19	4.4	-19.5	0.2	-13.1	-0.7	15.6	-0.8	2.7
4th	-3.9	-3.5	-4.6	-4.4	-8	-2.9	7.4	0.9	5.6	-0.6
5th	4.7	-9.3	2.7	-9.4	0	-6.3	-0.7	2.2	1	-0.3
6th	4.5	-1.8	3.2	-3.2	0.8	-1.9	0	-1.6	-2.9	1.1
7th	9.2	1.3	7	-0.2	2.4	0.1	-0.9	0.2	0.2	1.4
8th	-9.5	16.3	-4.3	12.6	-2.2	3.1	-2.1	3.1	0.8	2.3
9th	-4.5	0.1	-1.7	0.5	1.2	-1.2	-1.3	0.4	1.5	-1.6
10th	-2.3	-2.5	-1.5	-1.3	0.7	-0.2	-0.4	-1.1	-0.4	1
11th	-12.8	-11.9	-8.4	-3.9	1.4	1.1	-4.4	-3	3	3.8
12th	-0.4	-8.5	-1.2	-3.8	1	0.6	0.1	-1.9	0.4	1.5
13th	-1	-2	-1.5	-1.3	0	0.2	-0.8	-1.1	0.4	0.2
14th	-3.2	3.4	-0.1	1.2	1.1	-1.9	0.2	-2.3	-0.9	2.4
15th	-7.3	9.9	0.3	3.6	1.6	-4.9	0.6	-6.1	-0.9	6.3
16th	-9.7	-0.5	-2.4	1.2	3.9	-1.8	3.3	-2.6	-2.6	2.4
17th	-3	-1.7	-1.2	-0.8	1.9	0.4	0.9	-0.2	-1.5	0.2
18th	-1.5	-2.7	-0.6	-0.3	0.9	0.8	0.7	0.3	-1.3	1.6
19th	-0.2	-5.2	-0.7	-0.2	1.7	2.5	1	0	-1.4	3.8
20th	6.7	0.5	-0.5	-0.3	-3.3	2.5	1.3	-0.8	-6.1	2.9

RUN 38   PT 7

V/OR = 0.198
VKTS = 79.0

ALFS,U = 5.00
MTIP = 0.606

CLRH/S = 0.064571
CXRH/S = -0.006134

CTH/S = 0.064860
CP/S = 0.000674

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-57.3		685.8		401.9		1359.1		-26.2	
RMS	265.5		246.8		284		239		93.6	
1/2 P-P	429.4		423.5		516.4		441.3		188.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-270.3	245.6	-255	199.7	-267.7	233.3	-223.4	171.2	35.5	112
2nd	55.8	-28.9	72.1	-45	115.2	-97	109.7	-98	-5.4	-4.6
3rd	-18.8	42.8	-32.1	61.6	-28.5	59.2	-25.3	28.2	32.6	-33.3
4th	8.4	-2.6	4	-2.5	12.4	-6.6	6.2	-13.3	-20.2	-0.5
5th	-4.6	6.2	8.7	-34.5	26.1	-69.8	31.1	-94.8	-3.6	7.6
6th	1.8	5.3	-6.3	14.9	-9.9	17.7	-12.1	11.2	3.9	13.4
7th	7.8	1.6	-0.5	1.5	-3.5	1.1	2.4	0.5	-1.5	-7.7
8th	2.8	-2.3	7.2	-14.2	3.5	-6.7	-2.8	9.6	-4.1	10.5
9th	-4.6	3	1.5	0.4	-0.4	-0.4	1.4	-4.7	-6.1	-0.7
10th	6.7	-2.8	7.3	-2.9	0.7	0.6	-3.6	-0.1	3.6	4
11th	20.2	12.6	33.4	10.4	5.8	1.6	-19.1	-11.6	-1.5	-4.5
12th	6.3	5.9	10.7	10.4	2.1	1.1	-3.3	-7.8	-1.8	-3.1
13th	-12.4	0.6	-20.2	8.2	-16.4	5.2	4.2	-3.9	-1.7	4.5
14th	-0.6	-0.4	-2.4	-4.6	-4.7	2.6	2.1	-0.9	-11.2	-3
15th	0.5	-3.2	2.6	-3.6	-0.8	18.1	2.8	-2.8	-13.1	5.1
16th	0.8	-1.3	7.8	-0.8	-6.8	7.8	3.9	-0.1	1.1	2.6
17th	0.6	1	3.3	1.6	-2.5	1	1.3	0.2	0.8	4.4
18th	-1.3	-0.2	3.1	2	-0.6	-1.5	2.8	2.4	4.8	-1.4
19th	-3.7	7.3	1.2	-3.2	-5.9	-19.7	1	-2.9	5.3	-2.3
20th	-1.9	-2.8	-0.7	2.9	11.7	-2.9	-6.2	6.5	4.4	-1.8

D-550

RUN 38   PT 8

V/OR = 0.174   ALFS,U = 5.00   CLRH/S = 0.064473   CTH/S = 0.064755
VKTS = 69.2   MTIP = 0.605   CXRH/S = -0.006046   CP/S = 0.000900

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	150		-16.2		2.3		-90.7		-7.4	
RMS	28		32.4		42.5		56.4		16.6	
1/2 P-P	73.1		63.5		70.5		105.9		41.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-0.2	1.7	6.3	-26.4	11.9	-42.3	18.8	-48.8	-0.9	-13.1
2nd	-12.6	6.4	-21	13.4	-30	20.2	-48.3	29.4	-12.4	8.3
3rd	7	-15.7	0.2	-15.3	-5.1	-9.9	-5.4	15.3	-1	2.2
4th	-8.9	-7.8	-9	-6.5	-10.4	-4.2	6.8	3.1	6.5	-0.9
5th	2.5	-8.5	0.6	-9.4	-0.9	-7.2	0.5	-3.7	-0.1	0.1
6th	2.3	-3.2	1.8	-3.8	-0.2	-2.5	0.1	-1	-3.7	1.2
7th	8	-3	5.2	-2.9	1.3	-1.1	-0.9	0.2	0.8	-0.1
8th	-2.3	2.3	-0.8	1.7	-0.7	-0.3	-1.4	0.7	1.8	-1.2
9th	-2.2	-5.5	-1.5	-3.5	0.8	-1.2	-1.1	-1.6	0.4	-0.8
10th	-4.6	-3.1	-3.1	-1.8	-0.1	-0.5	-1.9	-1.1	0.3	1.3
11th	-21.7	-9.6	-12.8	-0.9	3	1.7	-7.5	0.1	5.9	1
12th	-3.5	-8.4	-2.6	-3.4	1.4	1.2	-0.6	-0.1	0.7	-0.5
13th	-2.3	-2.2	-2.1	-0.9	0.3	0.7	-0.4	1.1	0.3	-0.5
14th	-2.5	0.3	-0.6	-0.2	1.5	-1	0.3	0.5	0.4	1.1
15th	2	-0.3	0.4	-1.2	-1	0.6	-1	1.6	3.1	-0.7
16th	1.1	4.1	0.9	0	-1.1	-1.6	-2	-0.1	2.3	-0.2
17th	-2.7	2.8	-0.3	0.4	0.7	-1.4	0	-0.6	-0.3	0.3
18th	-4.9	2	-0.1	1	1.8	-1.1	0.2	-1.2	1.1	1.5
19th	-6.5	1.4	0	0.6	2.2	-2.1	-0.1	-1.1	3.4	0.1
20th	1.2	-2.2	0	0.4	0.1	1.9	-0.3	-1	0.9	2.1

D-551

RUN 38   PT 8

V/OR = 0.174
VKTS = 69.2
ALFS,U = 5.00
MTIP = 0.605
CLRH/S = 0.064473
CXRH/S = -0.006046
CTH/S = 0.064755
CP/S = 0.000900

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-51.9		682.1		393.9		1342.8		-31.5	
RMS	263.1		227		247.1		206.6		97.3	
1/2 P-P	426.8		409.3		476.4		382.8		217.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-250	263	-217.3	203.5	-210.2	219.9	-171.4	153.5	21.8	120.4
2nd	58.1	-20.3	73	-34.9	120.6	-75.7	115.8	-80.5	3.5	-10.6
3rd	2.7	39.7	-9.5	51.1	-2.7	46.2	-6.3	17.3	34	-30
4th	10.4	-3.7	6.4	0.4	10.7	-1.7	-2	-9.8	-24.2	-12.4
5th	-3.7	5	5.7	-37.6	19.4	-70.7	19.1	-97.8	-3.3	15.8
6th	3.5	1.7	-5.1	12.3	-10.2	18.9	-14.3	12.5	2.2	8.6
7th	9.6	6.1	0.9	3.2	-3.2	-0.5	-0.5	-8.9	6.8	-9.5
8th	4.3	3.3	4.4	-1.5	0	-1.1	-3.3	-2.8	-7.3	3.9
9th	-3.8	7.7	1.2	7	0.4	1.9	1.2	-10.9	-3.5	-2.6
10th	8	-2.2	8.7	-2.2	0.2	0.7	-6.8	-2.5	-1.2	6
11th	24.8	8.1	41.9	3.5	6.8	-0.2	-27.2	-5.8	0.6	-12.1
12th	10.3	0.7	16.3	3	4.5	-3.7	-7.2	-4	-8.6	0.8
13th	-9.2	10.8	-5.1	23.3	-6.6	15.6	0.4	-7.4	1.6	1.6
14th	0	1.5	0.1	1.3	-3.6	1.1	0.4	-1.9	-6.3	6.5
15th	1.3	-1.8	8.9	3	11.9	0.7	-0.3	-0.8	2.6	3.7
16th	-0.1	-0.9	-1.4	-0.2	3.8	4.3	-0.8	-0.7	-3.7	6.2
17th	3.2	-0.8	-0.7	1	-4	8	-0.1	0.7	0.7	1.7
18th	-0.8	0.4	2.6	-4.7	-1.1	1.2	4.7	-3	-0.1	-4.2
19th	1.7	6.2	-1.8	-6.9	-14.9	-3.7	0.4	-9	-2.5	-4.4
20th	2.5	-2.6	-0.3	1.6	-1.4	1.8	-0.9	9	-0.8	-2.5

RUN 38   PT 9

V/OR = 0.151   ALFS,U = 5.00   CLRH/S = 0.064804   CTH/S = 0.065069
VKTS = 60.3   MTIP = 0.606   CXRH/S = -0.005881   CP/S = 0.001160

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	151.2		-15.2		4.9		-84.9		-7.1	
RMS	28.2		27.6		36		52.2		18	
1/2 P-P	81.9		65.1		61.8		99.4		48.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-6.4	8.2	-2.6	-18.3	2.2	-32	7.6	-40.2	-3.1	-11
2nd	-11.9	4.1	-22.3	8.9	-32	13.5	-50.1	24.1	-16.1	7.4
3rd	3	-9.4	-4.5	-7.8	-9	-3.3	-12.5	18.1	-2.8	3.3
4th	-11.6	-9.7	-11.6	-6.9	-12.3	-3.9	5.1	6.1	6	0.4
5th	1	-2.1	0.7	-3.9	-1.4	-3	0.8	1.6	-1.1	1
6th	-0.1	0.9	0.6	0.2	-0.3	0	0.7	-1	-2.9	1.5
7th	6.9	-1.6	4.5	-1.9	0.3	-0.5	0.3	0.8	1.4	-0.4
8th	-0.4	-3.8	-0.2	-3	-1	-2.1	0	-0.8	1.2	-1.3
9th	-0.2	-5.9	-0.5	-4.4	-0.4	-1.7	-0.8	-2.6	1.1	0.8
10th	-5.1	-2.7	-3.3	-1.5	0.2	-0.2	-3	0.4	2.9	0.1
11th	-15.6	-20.6	-11.7	-7.5	0.9	3.6	-6.5	-2.1	5.9	1.3
12th	3.5	-7.2	0.8	-4.1	-0.2	0.8	1.4	-0.9	-1.7	-0.5
13th	1.7	-3.1	-0.7	-2.4	-0.7	1.4	-0.6	-0.7	-0.2	1.5
14th	-2.7	-5.7	-1.6	-1.9	0.9	1.7	0.9	1.2	0.1	-0.3
15th	-4.4	-12.3	-3.5	-3.2	2.7	3.6	3.3	4.8	-1.4	-5.2
16th	1.5	-3	-0.1	-1.1	-0.1	0.9	-1	2.2	0.6	-2.6
17th	-3.2	0.2	-0.1	0.4	2	-0.2	-0.3	-0.6	0.7	0.2
18th	-5.3	1.3	-0.1	0.8	1.5	-1.5	-0.2	-1.3	2.6	0.4
19th	-4.3	-0.5	0.1	0.6	2.5	-1.4	-0.2	-0.8	2.4	0.4
20th	2.7	-2.1	-0.3	-0.1	-0.4	1.9	-0.7	-0.9	-2.8	3.7

D-553

RUN 38   PT 9

V/OR = 0.151   ALFS,U = 5.00   CLRH/S = 0.064804   CTH/S = 0.065069
VKTS = 60.3   MTIP = 0.606   CXRH/S = -0.005881   CP/S = 0.001160

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-49.4		682.6		387.5		1337		-39.5	
RMS	279.5		225.5		229.6		185.3		102.4	
1/2 P-P	474		426.2		439.8		348.8		211.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-254.6	290.6	-200	219.3	-171.1	219.5	-131	146.1	15.9	127.6
2nd	65	-15.9	80.3	-30.7	129.2	-64.6	123.2	-73.7	13.9	-14.3
3rd	23.5	29.5	9.9	32.4	17	22.2	6.1	-2.5	36.1	-24.3
4th	9.8	-6.9	3.6	0.9	5.5	-1.5	-12.1	-8.1	-26.4	-17.1
5th	-5.1	-1.3	-6.2	-39.3	-1.6	-68.7	-3	-87.9	-8.3	19.2
6th	2.3	-1.8	-1.8	1.8	-2.4	4.3	-4.5	3.3	1.8	4.6
7th	8.8	-2	0.4	2.5	-0.2	4.5	2.2	3.7	6.2	-4.1
8th	1.5	5.7	2.5	5.9	2.3	1.9	0.4	-6.4	-6.9	1
9th	-1.2	9.8	2.2	9.2	1.4	1.5	1.2	-10.5	1.7	1.1
10th	8.7	-4.2	9.8	-4.6	2.1	-2.8	-7	1.7	-0.1	-1.2
11th	17.8	7	33.5	13.7	5.1	-4.5	-21.7	-11.2	0.9	-13.5
12th	3.9	-1.7	2	3.4	1.7	-4.7	0.3	-2.4	-11.5	3.8
13th	-15.3	5.2	-23.6	23	-16.7	12	6.6	-6.1	4.9	10.2
14th	-0.1	-1.1	1.4	0.6	-4.2	-6.5	2.5	0.1	-0.4	0.7
15th	0.1	-1.1	10.6	5.7	-2.3	-10.3	1.7	0.9	10.4	-1.2
16th	0	1.7	2.3	1.6	2.9	-6.1	0.5	0.1	-1.5	-2.3
17th	3.9	-2.1	1.5	2.4	-4	7.4	2.1	2	0.2	-4.2
18th	0.8	0.5	1.3	-6.1	-5.5	-0.4	3.9	-2.9	-1.3	-5.1
19th	2.6	4.4	-2.3	-3.8	-12.8	-2.9	0.6	-3.4	-4	-8.3
20th	2.4	-3.9	-1.1	3	-0.1	1.6	-2	9.2	-2.8	2.9

D-554

RUN 38   PT 10

V/OR = 0.151   ALFS,U = 5.00   CLRH/S = 0.064823   CTH/S = 0.065090
VKTS = 60.3   MTIP = 0.606   CXRH/S =-0.005887   CP/S = 0.001161

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	150.2		-15.7		5.1		-84.7		-7.2	
RMS	28.2		27.4		35.5		52		18.2	
1/2 P-P	79		66.1		64.9		99.3		49.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-5.9	8.5	-2.6	-18.1	1.3	-32.4	7.5	-39.9	-3.5	-11
2nd	-11.6	3.8	-22.1	8.4	-30.8	13.5	-50.3	23.7	-16.5	7.6
3rd	3.3	-9.2	-4.4	-7.7	-8.7	-3.2	-12.8	18.2	-3	3.7
4th	-11.5	-9.7	-11.5	-7.1	-12	-3.8	4.6	6.4	5.7	0.8
5th	1.1	-2.4	0.7	-4.3	-1.6	-3.3	1.1	1.5	-1.1	1.4
6th	-0.3	1	0.7	0.4	-0.2	0.4	0.6	-1.4	-2.9	1.7
7th	8.4	-1.6	5.7	-1.9	0.9	-0.8	0	0.5	1.8	-0.3
8th	-1.3	-3.6	-0.8	-2.8	-1.2	-1.6	-0.4	-1	1.2	-1.1
9th	-0.6	-6	-0.8	-4.4	-0.2	-1.7	-1.1	-2.7	1.2	0.7
10th	-5.2	-2.9	-3.3	-1.6	0	-0.8	-3.2	0.1	2.9	0.2
11th	-15.9	-20.6	-11.8	-7.3	1.4	3.3	-6.9	-2	6	1.2
12th	3.3	-7.6	0.6	-4.2	-0.1	0.9	1.1	-1.1	-1.5	-0.2
13th	1.9	-3.2	-0.7	-2.1	-1	1.1	-1.1	-0.5	0.1	1.5
14th	-2.6	-5.6	-1.6	-1.9	1.3	1.6	0.4	1.1	0.3	0
15th	-5.2	-10.8	-3.4	-2.5	2.8	3.3	3.1	4	-1.5	-4.3
16th	0.9	-3.2	-0.2	-1	0.3	0.9	-0.8	1.9	0.2	-2
17th	-4.1	-0.2	-0.3	0.5	2.4	-0.1	0	-0.8	0.4	1
18th	-5.1	0.7	-0.1	0.8	2	-1.2	-0.1	-1.4	2.4	1.2
19th	-3.3	-1.2	0	0.6	1.8	-0.6	0	-1	1.6	1.5
20th	4.3	0.2	-0.2	-0.2	-1.8	1.2	-0.6	-1.1	-4.3	3.3

D-555

RUN 38   PT 10

V/OR = 0.151   ALFS,U = 5.00   CLRH/S = 0.064823   CTH/S = 0.065090
VKTS = 60.3   MTIP = 0.606   CXRH/S = -0.005887   CP/S = 0.001161

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-52.8		679.7		383.2		1335.5		-39.6	
RMS	279.9		225.5		229		185.5		103.7	
1/2 P-P	474.2		425.7		434.8		347.1		211.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-256.9	289	-201.4	217.9	-170.7	218.2	-130.6	145.4	16.8	129.8
2nd	67.8	-15.5	82.5	-30	130.2	-63.9	124.2	-73	15	-13.7
3rd	24.4	29.3	10.8	32.1	19	22	7.3	-3.7	36.5	-22.9
4th	8.5	-5.9	1.8	2.8	2.5	0.2	-14.4	-6.8	-25.1	-17.1
5th	-5.7	-1	-9.2	-39.2	-7	-68.5	-7.9	-89.3	-7.4	19.1
6th	2	-2.7	-1.5	1.3	-1.3	3.6	-2.9	3.4	1.2	1.9
7th	8.8	-3.8	-0.8	2.3	-1	5.2	3.2	4.8	5.1	-5.2
8th	2.9	5.7	3.7	5.2	2.9	1	-0.5	-6.7	-7.2	2.2
9th	-0.4	11.6	-3.1	10	2.1	1.2	0.3	-11.8	-1.5	1.4
10th	8.5	-3.7	9.9	-4.3	2.5	-2.7	-6.9	1	0.2	-0.7
11th	15.8	5.8	32.1	12.3	5	-4.7	-21.1	-10.7	-1.9	-14.2
12th	4.1	-3.1	2.6	1.4	2.2	-5.8	0.3	-1.9	-12.4	4.3
13th	-14.3	8.1	-20.4	27.1	-14.4	15.6	5.7	-7.1	6.3	7.4
14th	-0.3	-0.3	0.2	1.9	-4.9	-4.8	2.1	-0.1	-1.4	0.9
15th	-0.3	-0.4	9.4	3.7	-3.4	-10.5	1.8	0.6	8.3	-2.2
16th	-0.4	2	2.5	-1.5	2.1	-5.4	0.8	0.4	-0.1	-0.4
17th	3.7	-2.5	2.6	1.5	-4.1	7.5	2.6	2.5	0.8	-3.7
18th	1.1	-0.1	1.3	-5.6	-5.4	0.2	4	-1.8	-0.7	-5.2
19th	4.8	2.6	-2.7	-1.4	-13.3	1.8	-1.4	1.7	-3	-7.6
20th	2.4	-3.6	-2.8	2.8	2.8	2.9	-5.4	8.1	-2.8	4.3

RUN 38   PT 11

V/OR = 0.125	ALFS,U = 5.00	CLRH/S = 0.064755	CTH/S = 0.065020	
VKTS = 49.9	MTIP = 0.605	CXRH/S = -0.005872	CP/S = 0.001503	

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	149.2		-15.4		6.9		-76.2		-4.1	
RMS	38		30.6		32.6		51.6		17.8	
1/2 P-P	94.1		73.6		67.6		110.6		46.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-19.3	19.3	-17	-8.2	-12.5	-21	-5.7	-34.9	-2.8	-10.6
2nd	-12.4	3.3	-23.6	6.4	-31.7	11.4	-53.7	16.2	-17.2	4.8
3rd	-0.6	-7.6	-9.1	-5.6	-13.2	-1.2	-22.6	13	-2	0.6
4th	-8.1	-9.9	-7.8	-7.1	-7.4	-4.1	2.1	4.8	5.5	-1
5th	2.2	-5.5	2.5	-6.9	1.9	-5.9	-1.5	2.6	-2	0.5
6th	-0.6	-1.2	0.1	-0.9	0.4	-0.7	-1.8	-2.1	-1.8	-1.4
7th	1.3	-0.5	0.4	-0.2	-0.8	0	-0.7	-1.4	0.2	-1.9
8th	-7.2	-16.3	-7	-10.6	-2.8	-3.9	-1.4	-3.3	-2	-3.3
9th	-2.8	-7.3	-3.2	-4.5	-0.2	-1.2	-1.5	-1.7	-0.1	0.9
10th	-8.2	1.8	-4.4	1.9	1.2	0.2	-2.7	2.3	1.9	-1.8
11th	-34.1	-10	-19.4	1.2	4	2.2	-10.7	1	7.4	-0.8
12th	-4.4	-4.2	-2.2	-1.4	1.9	0.7	0.9	-1.5	-1.5	1.5
13th	-3	3.9	-1	1.9	0.6	-0.4	1.1	-1.4	-0.4	2.1
14th	-1.1	6.7	1.4	2.2	0.2	-1.9	-0.2	-2.9	-0.1	2
15th	2.5	8.6	2.4	1.8	-2.2	-3.2	-3.2	-2.7	1.5	1.6
16th	-0.7	7.4	0.8	1.9	-0.9	-3.3	-1.4	-2.6	-0.7	0.6
17th	2.2	1.3	0.6	0	-0.8	0.1	-0.6	-0.5	-2.3	-0.8
18th	2.3	-1.2	-0.2	-0.4	-0.3	1.1	0.4	-0.3	-2.3	1.5
19th	2.3	0.7	-0.4	-0.5	-1.1	-0.1	0.3	0	-0.7	1.3
20th	-3.6	4.8	1	0.1	0.8	-3.5	-0.3	0.3	2.4	-4.3

D-557

RUN 38   PT 11

V/OR = 0.125   ALFS,U = 5.00   CLRH/S = 0.064755   CTH/S = 0.065020
VKTS = 49.9   MTIP = 0.605   CXRH/S = -0.005872   CP/S = 0.001503

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-20.4		699		394.6		1327.4		-49.1	
RMS	294.4		222		208.5		165		110	
1/2 P-P	496.2		434.6		399		333.8		215	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-237.2	329.1	-158.9	242.5	-105	222.5	-72	142.9	5	143.4
2nd	56.9	-27.8	75.2	-41	124.8	-70.6	120.5	-74.4	20.1	-12.2
3rd	48	22.3	34.7	16.9	39.9	0.5	22.5	-18.1	31.3	-13.2
4th	6.5	-3.4	-2	3.6	-7.2	1.9	-18.3	-5.9	-20.7	-12.2
5th	-12.7	8.1	-6.8	-23.2	-3.6	-47.9	3.6	-68.1	-6.3	18.5
6th	1.4	-2	-1	8.5	-5	14	-6.7	12.1	4.8	-5.2
7th	7.6	-3.1	4.4	2.4	1.8	6.6	0.2	4.6	2.1	-2.2
8th	8.1	4.7	12.9	12	4.1	5.9	-6.9	-12.2	-6.9	-2.8
9th	4.8	7	8.6	6.7	2	0.4	-3.5	-8.5	3.9	0.3
10th	9.1	-5	12.5	-9.2	0.4	-3.2	-9.9	4.8	-3.7	-7.4
11th	32	-4.2	55.5	-11	5.8	-5.5	-38.8	6.2	-3.9	-8
12th	5.1	-9.7	5.7	-8.4	-1.8	-6	-1.6	3.8	-11.9	2.4
13th	3.6	7	10.7	7.6	6	11	-2.8	-0.8	7.2	4
14th	-0.3	-0.2	-2.2	-4.4	-1	3.6	1.8	-0.1	-15.5	-3.5
15th	-1.2	0.8	4.2	-7.6	14.1	1.2	-0.3	-2.6	-3.1	12.1
16th	-1.1	0	-0.1	-4.4	5.2	6.4	-1.8	-3	1.3	4.1
17th	-0.4	-1.4	-0.5	-1.2	5.2	0.1	-1.9	0.2	1.2	0.6
18th	0.4	-0.8	-0.6	0.2	0.9	-1.7	-1.6	3.3	0	0.4
19th	4.1	3.7	-5.3	-0.9	-9	-3.7	-8.4	-0.5	4.8	1.9
20th	-0.6	-5.1	0.4	-0.5	5.5	13.6	6.1	-2.6	-5.4	-2.9

D-558

RUN 38   PT 12

V/OR = 0.101   ALFS,U = 5.00   CLRH/S = 0.065096   CTH/S = 0.065354
VKTS = 40.5   MTIP = 0.606   CXRH/S = -0.005798   CP/S = 0.001917

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	146.9		-15.9		9.4		-61.7		-0.5	
RMS	63.1		45.6		39.1		57.3		26.1	
1/2 P-P	174.4		109.3		95.6		126.2		82.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-27.6	28.3	-26.4	-0.5	-22.1	-12.6	-13.2	-32.1	-5.6	-9.6
2nd	-13.2	2.1	-24.3	3.5	-33.3	7.7	-57.7	5.3	-19.5	3.2
3rd	1.5	2.1	-4	3	-7.9	7.3	-13.7	24.7	0.1	4.3
4th	-6.3	-8.7	-6.7	-7.5	-7	-4	2.2	4.6	4.5	-0.2
5th	-16.8	-22.1	-20.7	-18.4	-19.4	-15	18.7	9.3	5.5	2.4
6th	5.2	-17.6	0.7	-14.6	-0.4	-9.5	1.5	2.2	2.2	-4
7th	-7.7	-4.1	-5.6	-0.9	-3.2	0.9	-0.5	-3.5	-1.4	-2.5
8th	-5.9	-32.1	-9.2	-21	-4.9	-6	-1.7	-6.4	-4	-4.3
9th	0.4	-0.1	-0.8	0.1	-2.1	-0.4	-1.2	-0.7	0.2	1.9
10th	-4.7	20.9	0.4	13.7	0.8	1.4	-1.4	7.8	2.8	-5.1
11th	-50	13.3	-22.7	16.3	6.6	0.3	-14.2	10.6	11.9	-9.2
12th	2.5	6.6	2.7	3.1	0.5	-0.8	2.2	1.3	-2.9	-1.4
13th	8.5	11	6.7	3.9	-1.6	-1.3	2.9	-1.9	-2.4	2.8
14th	3.8	5.4	3.9	0.3	-1.4	-1.7	-0.2	-3.4	0.9	3.8
15th	-2.1	-19.3	-3.8	-5.2	2.3	6.1	2.8	7.9	-1.6	-8.2
16th	16.8	-15.5	0.2	-8.3	-4.7	7.4	-3.6	13.1	2.5	-11.3
17th	7.5	-3.1	1	-1.6	-1.8	2.8	0.2	3	-2	-2
18th	-4.4	1	-0.8	0.9	2.3	-1.3	2.7	-2.3	-0.3	2.9
19th	-17.3	2.9	-0.1	1.2	6.8	-5.7	-0.6	-0.6	9.9	-1.8
20th	-2.8	-18.1	-0.1	1.2	5.2	7.7	-2.4	0.3	8.8	7.5

D-559

RUN 38   PT 12

V/OR = 0.101   ALFS,U = 5.00   CLRH/S = 0.065096   CTH/S = 0.065354
VKTS = 40.5   MTIP = 0.606   CXRH/S = -0.005798 CP/S = 0.001917

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-11.2		710.8		394.8		1314.5		-68.4	
RMS	321		238.2		216.7		167.1		126	
1/2 P-P	515.4		416.4		394.6		323.1		229.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-196.4	400.1	-108.8	291.6	-44.9	253.4	-32.1	166.5	0.3	163.8
2nd	48.7	-28.3	72.3	-44.2	125.4	-71.6	120.8	-65	23.7	-6.6
3rd	36	-11.3	18.4	-13.4	17.8	-30.7	3.8	-30.8	31.2	6.4
4th	5.2	14.1	2.2	30.1	1.6	33.6	-4.2	27.2	1.2	-13.4
5th	24.4	21.7	5.6	10.5	-1.2	-0.1	-30.1	-22.9	18.5	-13.9
6th	5.6	8.7	-1.8	27.1	-1.7	33.3	-3.4	15.8	13.5	-13.5
7th	-4.8	-9.8	4.5	6.6	9.5	17.2	5.8	21.2	5.2	-7.6
8th	5.6	6.4	14.4	24.1	9.3	12.7	-4.7	-18.6	-4.5	-13.5
9th	20.1	-1.7	12.3	-5.6	3.8	-3.1	-8.3	-1.5	0.1	-2
10th	-6.4	-12.7	-7	-25.3	-1.8	-4.3	3.4	18	1.9	-9.4
11th	13.6	-20.4	42	-43.6	-2.5	-6.5	-34.5	31.6	-14.6	-10.1
12th	-4.7	-2.5	-7.6	-3.4	0.8	2.7	4.7	4.6	-2.4	1.7
13th	12.8	-1.6	14.4	-14.9	23	-1.9	0.8	4.2	-9.4	-9.4
14th	-3.9	-1.1	-9.5	1.1	-1.8	6.9	3.6	-3.3	-20.6	14
15th	2.7	0.6	4.5	7.7	-12.4	-18.8	0.8	1.9	-0.3	-2.5
16th	0.1	2.2	-6.5	22	5.5	-14.1	-6.9	2	4.9	27.2
17th	-4	3.6	-3.4	1.5	5.3	-13.4	-2.9	-1.5	13	-0.3
18th	-0.5	-0.8	6.2	-0.8	0.4	5	4.7	0.2	3	-5.5
19th	-1.7	-2.8	8.6	-7.6	-8.7	13.1	20.4	-11.1	-7.6	-1.6
20th	-0.2	2.1	4.7	5	-17.2	-16.8	16.6	16.3	-0.7	-6.9

D-560

RUN 38   PT 13

V/OR = 0.090	ALFS,U = 5.00	CLRH/S = 0.065483	CTH/S = 0.065745	
VKTS = 35.9	MTIP = 0.605	CXRH/S =-0.005857	CP/S = 0.002199	

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	146.5		-14.4		13.7		-53.1		2.1	
RMS	75.2		59.2		47.6		65.5		27.7	
1/2 P-P	191.1		134.1		113.8		143.7		77.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-29.9	35.2	-28.7	3.9	-22.6	-11.6	-16.9	-29.2	-8.1	-9.4
2nd	-12.6	1.5	-25	1	-33.7	1.6	-58.9	3.2	-20.7	1.7
3rd	-1.9	7.9	-8	9	-13.3	13	-19.2	33.1	-1.2	6.1
4th	-10	-3.6	-10.4	-2	-10.5	1.5	-0.7	1.3	3.3	0.8
5th	-31.9	-41.4	-39	-32.4	-35	-26.2	35.4	23.5	10.9	7.4
6th	8.8	-18.4	2.8	-16.5	1.2	-10.6	4.7	2	4.3	-5
7th	-16.6	0.3	-10.5	3.5	-3.6	4.6	1.4	-6.5	-5.6	-0.2
8th	-23.2	-37.6	-21.6	-21.4	-8.2	-5.1	-1.8	-7.9	-8.3	-1.3
9th	-8.8	1	-6.2	3.2	-2	2.5	-2.9	1.5	1.7	2.4
10th	0.4	23.2	4.4	14.6	1.7	1.8	1	10.3	2.6	-6.7
11th	-16.6	54	1.9	31.5	3.6	-4.4	-0.2	19.3	1.1	-16.9
12th	0.7	11	2.9	4.3	0.3	-1.8	-0.2	0	-2.8	0.7
13th	7.3	3.5	6.1	0.8	-0.3	-0.3	0.2	-0.9	-0.7	3.3
14th	3.4	-2.6	1.7	-2.3	-0.1	-0.2	-0.5	0	2.6	0.3
15th	-5.3	-7	-3.2	-1.5	2.2	1.5	3.9	0.5	-3.9	-4.9
16th	-2.1	-10.4	-2.8	-2.1	2.2	3.9	2.8	3.1	-5.6	-3.8
17th	-5.9	-3	-2.2	0.3	3.5	0	2.7	0.9	-0.9	2.3
18th	-3.5	2.6	0.2	0.8	1.6	-2.5	1.6	-0.8	3.5	-1
19th	5.7	5.6	0.2	-0.2	-3.8	-0.8	0.2	-0.9	-3.4	-3.7
20th	5.4	8.3	-0.1	-1.7	-4.2	-1.2	-1	1.1	-7.4	-2.6

D-561

RUN 38 PT 13

V/OR = 0.090
VKTS = 35.9

ALFS,U = 5.00
MTIP = 0.605

CLRH/S = 0.065483
CXRH/S = -0.005857

CTH/S = 0.065745
CP/S = 0.002199

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	2.8		716.4		384.5		1295.5		-80.2	
RMS	318.6		235.8		220.1		173.9		133.5	
1/2 P-P	548		451.5		434		330.9		239.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-171.5	402.2	-85.1	288.4	-26.9	253.8	-13.4	166	-7.2	170.3
2nd	50.9	-23.2	75.8	-40.5	131.8	-59.8	132.8	-61	32.3	-7.2
3rd	37.4	-25.8	15.3	-29	17.3	-46.9	-0.1	-51.2	25.3	14.7
4th	2.8	5.3	-10.6	31.9	-18.8	39.4	-32.1	35.9	5.2	-7.4
5th	61.7	23.6	42.2	13.8	36.6	9.1	-16.1	-20.6	34.3	-41.2
6th	3.1	15.9	-9.5	30.3	-15.2	32.1	-7.9	9.5	9.2	-7.7
7th	-10.3	-15.9	7.4	5.5	9.5	18.9	9.9	30.7	-0.8	-5.7
8th	15	-3.9	29.1	17.1	11.3	9.9	-16.5	-16	-14.9	-12.1
9th	23	-5.7	18	-13.2	3.6	-9.5	-11	3	0.9	0.2
10th	-1.3	-11.5	-9.6	-24.1	-4.8	-4.4	5.1	22.8	-2.5	-4.9
11th	-9.2	-20.6	-12.1	-58.6	-4.7	1.3	0.6	49	-14.6	6.7
12th	-8.6	-9	-13.5	-14.9	-0.5	-1.8	4.9	11	-7.2	9.4
13th	21.4	3.4	31.5	-10.6	31.8	-7.6	-1.6	2.1	-7.6	-9.5
14th	0.2	2.9	2.3	9.6	3.4	6	0.2	-6.6	-11.7	13.9
15th	1.4	-1	-3.1	-3.2	-15.7	-8.4	-4.6	0.1	-0.2	-3.4
16th	0.3	-0.8	4.3	6.3	-5.9	-6.7	-0.9	5	2	-1.4
17th	-1.3	2	6.1	-2.9	-5.4	-3.6	5	-4.2	13.6	-2.8
18th	1.3	0.7	3.5	-3.8	-0.9	5.4	3.2	-5.6	2.5	-6.5
19th	-2.9	3.2	-2.3	-6.2	8.7	-9.3	-7.2	-6.8	3.5	4.8
20th	-10.1	-10.8	1.4	2.4	31.4	8.4	6	2.5	4.1	11.9

RUN 38   PT 14

V/OR = 0.081   ALFS,U = 5.00   CLRH/S = 0.064736   CTH/S = 0.065004
VKTS = 32.5   MTIP = 0.604   CXRH/S = -0.005902 CP/S = 0.002398

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	147.1		-12.2		17.2		-46.8		4.9	
RMS	87.6		73.7		62.2		80.8		29.7	
1/2 P-P	244.2		201.2		136.2		182.6		81.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-34	35.3	-32	5	-25.7	-9.8	-23.4	-28	-10.1	-9.2
2nd	-13.1	-0.5	-27.4	-1.2	-37	-0.5	-64.4	2.8	-21.7	1.3
3rd	-8.7	18.5	-12.3	21.6	-17.6	26.2	-32.4	49.3	-5.2	9.1
4th	-18.4	3.7	-16.4	6.3	-16.1	8.9	1.2	3.8	3.3	2
5th	-32.1	-68.3	-45.1	-55.1	-41.9	-44.5	42.4	42	15.1	11.5
6th	7.6	-15.4	1	-12.6	-1.8	-8	5.5	0.1	3.9	-6.4
7th	-33.4	14.2	-20.5	17.1	-8	10.1	3	-7.5	-11.5	4.5
8th	-27.7	-44	-26	-25.2	-9.5	-8.1	-3.9	-8	-8.9	-0.9
9th	-0.4	4.5	0.3	3.9	-0.1	1.9	-4.2	3	4.6	3.5
10th	-0.6	23.9	4.2	15	1.4	1.1	3.3	8.8	1.8	-6.7
11th	-38.7	11.8	-17	13.1	5	-0.6	-7.3	5.2	5.4	-7.3
12th	9.4	10.8	6.3	2.3	-2	-2.7	2.8	-0.2	-5	2.3
13th	5.2	7.1	5.5	3.3	-0.9	-0.7	1.8	2.8	0.2	1.2
14th	-3.7	-6.5	-0.5	-2.1	2.2	1.7	2.7	0.7	-0.2	-2.4
15th	-1.3	-16.2	-3.4	-3.8	2.4	6.5	1.9	4.9	-3.7	-8.7
16th	7.8	0.8	2.4	-0.2	-2.8	1	-4.6	1.5	1.6	-0.5
17th	-4.8	-0.5	-1.8	0	1.7	-0.3	3.5	0.3	0	1.4
18th	-2.5	-2.1	-0.3	-0.4	1.4	0.4	1.3	-0.4	1.2	-0.8
19th	5.7	-1.2	-0.4	-0.1	-1.9	1.7	-0.8	0.8	-3.4	1.8
20th	-4.7	0.7	0.4	0.2	2.3	-1.1	-0.6	0.3	0.9	-1.3

D-563

RUN 38   PT 14

| V/OR = 0.081 | ALFS,U = 5.00 | CLRH/S = 0.064736 | CTH/S = 0.065004 |
| VKTS = 32.5 | MTIP = 0.604 | CXRH/S = -0.005902 | CP/S = 0.002398 |

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	17.7		723.8		385.2		1283.9		-87.2	
RMS	313.4		242.1		246.3		200.1		139.1	
1/2 P-P	587.7		513.1		526		392.8		258.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-158.9	391.3	-71	278.9	-11.6	246.1	4	159.1	-12.1	166.7
2nd	56.3	-20.3	83.8	-38.7	147.9	-56.4	151.4	-62.1	38.2	-6.8
3rd	30.6	-48.2	0.7	-58	0.6	-89.2	-17.9	-80.2	19.1	21.5
4th	-4.6	2.2	-30.2	44.4	-46.2	58.3	-63.4	72.8	2.1	1.2
5th	75.9	50.5	69.2	73.2	79.5	94.2	14	54.2	60.6	-52.2
6th	5.9	12.9	-16	31.9	-24.8	38.3	-25.4	26.8	1.4	-10.5
7th	-4.5	-33.8	20.7	-12.7	22.3	16.5	5.7	53.7	-7.6	-2.7
8th	17.7	-10	34.6	12	15.3	6.7	-27.2	-23.4	-18.8	-11.7
9th	9.4	-1.5	5.6	-9.1	4.3	-9.7	-0.1	-3.4	5.9	4.7
10th	6.3	-27.6	-8.9	-37	-8.5	-6	1.9	30.9	1.6	-4.9
11th	10.6	-1.5	35.3	-19.5	-3.8	6.5	-25.2	19.5	-15.5	-2.3
12th	-15.9	-8.8	-27.9	-8.9	-5.5	1.8	16.7	5.7	-10	12.5
13th	22.4	2.5	31.3	-14.7	31.1	-7	-2.9	3.5	0.7	-13.9
14th	1.8	4.3	13.9	12.8	2.2	5.3	-0.1	-3.2	-12	5.5
15th	2.6	-1.2	-2.4	-8.6	-17.2	-33.3	-1.2	3.4	11.6	-18.4
16th	0.2	-1	-4.2	2.3	8.6	-2.2	-1.6	1.8	-10.1	-14.1
17th	-1.6	1.4	4.6	-4.9	-1	-3.9	2.9	-3.1	5	7.6
18th	0.7	2.6	-1.8	-0.5	-8.7	-2.9	-0.1	-1	0.6	-0.1
19th	0.8	-0.3	-1.6	2.7	1	-2.7	-8	3.7	7.4	3.3
20th	-5	-10.9	7.1	-2.2	13.6	7.8	16	0.5	2.9	-2.1

D-564

RUN 38   PT 15

V/OR = 0.071	ALFS,U = 5.00	CLRH/S = 0.064338	CTH/S = 0.064612
VKTS = 28.4	MTIP = 0.609	CXRH/S = -0.005952	CP/S = 0.002689

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	151.1		-8.9		22.8		-38.6		9.6	
RMS	107.3		91.8		76.2		102.2		36.6	
1/2 P-P	288.3		231.2		172		218.2		96.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-31.8	37.2	-31.7	8.2	-27.9	-6.4	-33	-28.7	-13.1	-6.9
2nd	-12.2	-4.8	-28.7	-7.6	-39.7	-9.9	-75.9	-5.2	-22.7	-0.2
3rd	-24	35.1	-24.4	42.9	-27.7	47.2	-49.9	80.4	-13	13.4
4th	-37.7	3.7	-33.6	12.9	-30.6	16.4	9.7	-0.4	6.6	-0.3
5th	-5.5	-83.1	-22.7	-71.8	-22.5	-57	25.3	51.3	17.3	8.9
6th	-5.4	8.9	-4.7	8.8	-4.3	5.4	6.7	-8.3	4.6	-6.4
7th	-72.5	19.7	-49.1	28	-21.4	17.5	2.8	-9.6	-21.8	12.2
8th	20.6	-34.3	9.7	-26	4	-7.7	2.4	-8.7	-1	5.4
9th	-7.1	24.9	1	19.6	3	5.9	-0.4	8.3	2.3	3.6
10th	-22	29.8	-8.4	22.1	0.9	1.3	-4.9	14.7	5.4	-13.4
11th	11.9	-21.5	2.1	-12.3	-1.5	2.3	-0.1	-7.8	-1.4	1.4
12th	4.3	25.9	7.2	9.9	-0.5	-6.4	5.4	2.1	-4.5	0.5
13th	-2.4	12.4	2.6	6.1	1.4	-2.9	3	-0.3	-0.7	3.9
14th	-2.6	-9.3	-0.1	-2.3	2.2	2.5	0.7	3	-0.9	-2.2
15th	19	-20.7	1.7	-10.1	-4.9	9.5	-4.1	10.7	3.5	-12.2
16th	1.8	7.1	0.8	1.9	-1.7	-2.5	0.1	-4.2	-1.2	0.5
17th	-3.8	-4.4	-0.9	-0.6	2.8	0.5	2.3	2	-1.3	0.8
18th	-2.1	-3.8	-0.5	0.3	2.3	1.1	0.4	1.5	2.5	1.6
19th	3.1	4.7	-0.2	0.1	-2.9	-1.8	-0.5	-1.4	-2.3	-2.3
20th	-7.1	1	0.9	0	2.5	-2.3	-1.2	-0.3	2.4	-2.7

D-565

RUN 38　　PT 15

V/OR = 0.071　　ALFS,U = 5.00　　CLRH/S = 0.064338　　CTH/S = 0.064612
VKTS = 28.4　　MTIP = 0.609　　CXRH/S = -0.005952　　CP/S = 0.002689

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	38.9		742.5		378		1284.1		-100.5	
RMS	305.5		260.6		291.7		256.9		136.7	
1/2 P-P	603.3		644.4		669.6		521.9		265.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-148.3	365.7	-62.5	254.7	6	220.1	18.2	135.1	-13.7	161.7
2nd	74.8	-7.2	105.1	-26.9	173.7	-31.9	170.8	-32.7	47.2	-4
3rd	8.6	-114.5	-28.8	-132.4	-35.1	-178.8	-63.7	-148	5.9	16.2
4th	-13.4	-5.2	-54.8	61.2	-83.4	89.9	-118.1	116.9	-17.8	-8.3
5th	48.9	70.5	38.4	131.5	41.3	181	6.7	121.9	75.3	-31.4
6th	2.7	-4.7	-12.8	-1.8	-21.3	1.5	-26	11.1	-12.2	-17.6
7th	10.3	-46.6	49.1	-21.4	39.1	18.2	-28.7	87.3	-9.7	5.9
8th	-2	-1.5	-5.9	17.1	-0.8	-0.7	14.5	-32.8	-4.7	-9.6
9th	-8.9	-26.3	-7.6	-34.6	0.8	-11.7	19.5	23.7	1.4	8.3
10th	17.2	-15.3	17.5	-40.3	0.4	-9.2	-18.6	31.5	3.7	1.3
11th	-27.5	5.5	-27.8	33.7	-9.8	6.5	16.9	-17.6	3.8	-5.8
12th	0.1	6.7	-5.7	-11.1	3.8	13	6.3	3.7	-16.9	8.6
13th	20.5	16.7	42	1.9	31.2	12.2	-7.8	0.2	4.2	-4.5
14th	-1.6	2.5	8.9	12.2	1.4	-1.8	1.6	-3.7	-13.7	-8.6
15th	1.4	1.1	3.5	2.2	16.2	-41.5	-5.7	2.3	11.7	7.4
16th	-0.9	-1.5	5.3	-6	14.3	3.6	1.7	1	5.6	-9.4
17th	-0.6	1	1.5	0.8	-7.1	-3.9	3.4	0.6	-4.2	-1.6
18th	-3.3	5.2	2.4	-1.6	-3.8	-8.8	2.5	-2.2	3	-4.3
19th	11.7	0.2	-8.9	1.8	-13	12.6	-17.7	2.4	2.2	1.7
20th	14	-14.2	0.1	3.9	-9.6	36.3	2.7	15.4	-3.2	0.8

RUN 38   PT 16

V/OR = 0.060   ALFS,U = 5.00   CLRH/S = 0.064876   CTH/S = 0.065144
VKTS = 24.1   MTIP = 0.606   CXRH/S =-0.005904   CP/S = 0.003103

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	158.3		0.8		33.1		-26.7		16.8	
RMS	119.6		101.6		87.2		130.2		46.9	
1/2 P-P	333.6		260.3		195.5		270.8		124.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-26	40.1	-32.2	10.4	-33.5	-3.7	-42	-24.9	-15	-7.1
2nd	-5.1	-5.2	-20.8	-9.5	-29.1	-13.9	-94.3	-11.5	-27	-2.4
3rd	-42.4	45.7	-42.6	59.9	-45.5	70	-79.2	108.7	-26.2	19.8
4th	-56.1	-9.9	-51.7	7.2	-50.8	11.7	33.4	5.2	16.2	0.8
5th	15.4	-64	0	-55.4	-0.8	-39.9	5	40.8	21	1.5
6th	-25.4	17.5	-20.7	18.9	-15.5	13.7	9	-15.7	3.2	-4.9
7th	-82.7	6.3	-58.2	18.9	-26.3	14.1	7	-12.6	-28.3	11.7
8th	43	7.6	31.1	-1.1	11	0.8	9.8	-0.6	1.7	12.3
9th	-15.1	26.5	-4.1	23.2	2.2	8	-6	11.7	2.3	0.3
10th	-29.2	5.6	-16.9	8.6	-0.3	1.3	-11.5	7.2	9.2	-10.3
11th	62.9	-15.3	29	-18.9	-7.6	0.5	16.3	-14	-9.6	5.3
12th	-17.1	11.7	-4.8	7.4	4.1	-4.5	0	1.4	-0.1	1.6
13th	-4.8	-2.5	-2	2	2.1	1.1	1.7	3.3	-3.5	2.7
14th	6.4	-10	2.7	-2.4	-0.5	4.4	-0.4	3	-0.5	-3.5
15th	12.2	1.3	4.5	-2.3	-4.9	0.2	-4.8	1.5	5.4	-3.9
16th	-7.8	-7.1	-2.9	0.4	4.4	1.2	6.2	1.4	-2	-2.3
17th	3.8	0.1	1.1	0.6	-1.5	0.2	-2	-0.9	1	2.8
18th	1.7	7.3	0.6	0.6	-2.1	-3.3	-1.6	-0.8	-2.2	-0.6
19th	-3.9	0.9	0.1	0.7	1.3	-1.5	0.8	-1.1	0.5	-2.8
20th	13.5	2	-0.6	-0.5	-6.5	2.9	1.6	-0.6	-7.3	3.3

D-567

RUN 38　　PT 16

V/OR = 0.060　　ALFS,U = 5.00　　CLRH/S = 0.064876　　CTH/S = 0.065144
VKTS = 24.1　　MTIP = 0.606　　CXRH/S = -0.005904　　CP/S = 0.003103

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	53.7		737.2		366.1		1279.5		-121	
RMS	312.5		306.2		364.5		356.6		136.2	
1/2 P-P	684.8		753.2		807.3		771		265.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-103.6	355.5	-30.6	241.9	51.7	207.5	50.5	117.8	-7.4	158.1
2nd	88.9	7.7	113.8	-15	169.7	-14.8	182.5	-11.1	61.2	5.2
3rd	17.3	-196.8	-37.1	-213.7	-46.3	-285.7	-89.8	-246.1	3.8	2.6
4th	-14.5	10	-72	117.3	-103.7	175.9	-146.6	208.5	-35.8	-46.2
5th	15.6	58	3.8	168.5	-10.2	242.4	-7.9	216.7	55.9	-2.3
6th	16.8	-19.4	-1.1	-14.2	-11.4	-8.7	-48.6	16.1	-11.9	-.9
7th	10.5	-46.8	44	-7.7	27.5	36.7	-45.5	96.6	-16.2	7.8
8th	-4.2	3.8	-24.6	-1.6	-7.8	-11.5	28.5	-15.5	11.4	2.9
9th	-7.5	-17.6	0.2	-30.3	5.6	-12.2	12.3	25.8	4.4	7
10th	23.3	-7.2	37.5	-17.2	9.1	-4.7	-25	15.3	3.4	2.8
11th	-53.1	3.3	-89.4	44.2	-9.4	6.1	61.3	-28.9	13.7	4.6
12th	18.7	25.1	39.1	6.7	11.2	16.1	-13.6	-3.5	-11.3	-0.1
13th	8.7	27.6	28.2	36	12	21.9	-8.8	-9.3	3	-5.6
14th	1.9	-3.1	10.3	3.3	13.8	-11.8	0.5	1.7	2.3	-19.4
15th	0.7	0.6	-1.1	9.8	16.7	4.1	-0.2	0.9	-3	8.6
16th	2.2	-1.6	24.7	-2.3	10.7	-5.4	8.9	3.7	11.2	-9.5
17th	0.2	-3.8	-3.6	0.3	2.5	-1.1	-1.8	2.7	-1.5	-9.3
18th	-3.1	0.9	-1	-5.6	8.9	0.7	-3.8	-8.9	1.4	4.4
19th	12.2	-2.6	-2.4	-0.7	-14.9	12.6	-5.5	2.2	-1.1	-2.7
20th	13.9	-22.6	-7.1	13.4	12.5	33.8	-18.3	39.5	3.1	4.5

D-568

RUN 38   PT 17

V/OR = 0.052   ALFS,U = 5.00   CLRH/S = 0.065001   CTH/S = 0.065297
VKTS = 20.6   MTIP = 0.604   CXRH/S =-0.006240   CP/S = 0.003400

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	161.5		7.9		42.8		-3.9		28.6	
RMS	101.2		89.7		80.9		132.1		50.7	
1/2 P-P	244.4		220.1		174.6		267.5		112.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-30.3	42.4	-34.8	11.2	-36.2	-4.5	-54.3	-16.7	-10	-4.7
2nd	1.5	-1.7	-10.3	-7.8	-14.4	-12.9	-108	-17.1	-34.5	-1.9
3rd	-47.3	44.2	-46.9	61.2	-52.3	69.1	-72	107.3	-38.1	21.7
4th	-46.1	-17.8	-43.5	-0.9	-40.6	5.9	31.6	11.9	16.1	-0.3
5th	17.7	-52.4	4.6	-44.4	1.4	-31.4	-8.8	32.1	23.4	-3.3
6th	-12.1	23.3	-9.9	20.7	-8.8	14.4	10.1	-15	8.7	-2.7
7th	-74.3	-16.7	-55.7	0.5	-26	4.2	8.6	-9.7	-24.1	7.8
8th	35.7	15.8	27	5.4	8.8	2.1	7.8	2.9	-4.3	9.5
9th	-16.8	7.6	-9.5	10.9	-1.4	6	-5.5	5.3	-2.6	0.8
10th	-10.3	0.9	-6.8	3.2	-0.2	1.7	-6.6	1.4	8.6	-6.7
11th	9.5	3.1	4.4	0	-0.9	-0.3	4.9	-0.4	0.2	-2.9
12th	1.6	-1.7	0.8	-1.7	0.4	-0.5	0.2	-0.4	-0.4	3
13th	-3.5	-1.7	-2.4	1.2	1.1	0.5	-0.5	1	-0.6	0.9
14th	-4.1	-4.9	0	0.9	3.4	1.7	3.7	1.6	-4.2	-1.1
15th	-6.6	7.4	-0.1	3.5	1.7	-3.6	0.8	-3.5	-1.3	3.7
16th	7.1	-1.7	2	-1.9	-2.4	1	-2.5	2.1	3.2	-1.3
17th	-1.8	4.5	0.2	1.2	0.4	-2.7	-0.4	-2.3	-0.3	0.9
18th	-1.2	2.3	0.1	0	0	-1.2	-0.8	-0.5	0.7	-2.3
19th	-0.7	-2.5	-0.1	0.4	0.1	1	0.8	-0.9	0.1	0.8
20th	6.8	1	-1	-0.1	-3.8	1.6	0.8	-0.3	-4.4	2.5

D-569

RUN 38   PT 17

V/OR = 0.052	ALFS,U = 5.00	CLRH/S = 0.065001	CTH/S = 0.065297
VKTS = 20.6	MTIP = 0.604	CXRH/S = -0.006240	CP/S = 0.003400

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	44.5		718.5		328.6		1231.2		-144.3	
RMS	310.3		300.9		371.9		356.2		131.8	
1/2 P-P	676.6		717.4		817.3		769.9		255.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-84.6	355.1	-9.9	238.9	73.9	205.5	104	117.1	-14.1	155.6
2nd	61.9	15.4	79.9	-6.9	114.8	-5.6	126.8	-6.2	67.4	15
3rd	22.9	-220.5	-39.2	-238.9	-40.4	-304.6	-86	-261.6	5.5	-5.3
4th	-22.8	16	-83.2	120.7	-128.3	173.5	-150.3	201.8	-25.6	-50.9
5th	0.9	51.5	-19.4	172.7	-37.3	258.5	-47.1	240.4	36.7	4.8
6th	14	-20.6	-18	-25.8	-36.1	-25.3	-45.8	6.1	-6.7	-1.7
7th	14.3	-30.4	37.6	9	15.1	38.6	-68.3	62.2	-14.3	1.8
8th	-6.1	3.5	-24.3	-6.1	-9.1	-9	24.7	-3	5.9	4.4
9th	0.2	-14.8	9.6	-16.2	8.3	-5.6	7.5	19.3	6.1	8.1
10th	20.4	-0.6	24.7	-5.9	9.9	-3.2	-15.7	5	7.3	4
11th	-14.8	1.8	-20.1	6.8	-3.9	3.3	14.8	-1.2	5	-2.6
12th	11.8	25	20.4	24.4	11.5	12.2	-6.2	-11.8	-2.4	-0.3
13th	0.7	12.9	8.8	18.6	1.2	12.1	-4	-4	6.4	-4.2
14th	0.9	-1.3	14	0.8	6.3	-2.8	1.8	3.5	-3.8	-15.8
15th	1.4	0	5.9	1.1	0.4	16.9	2	-0.3	-3.4	3
16th	0.2	0.4	6.3	0.4	18.3	-7.6	1.1	0.5	0.8	6.5
17th	1.8	-3.7	-1.2	-0.2	-0.8	11.5	-1.2	-1.4	-4.9	0
18th	-0.6	2.1	0.4	-5.8	1	-5.9	-0.2	-5.7	-0.6	1.9
19th	1.9	0.8	2.5	-0.8	-1.3	-4.4	0.8	2.3	1.1	-0.8
20th	10.7	-11.9	-3.5	8.3	2.9	22.9	-11.5	21.8	2.8	2.9

RUN 38 PT 18

V/OR = 0.042 ALFS,U = 5.00 CLRH/S = 0.064652 CTH/S = 0.064951
VKTS = 16.8 MTIP = 0.606 CXRH/S =-0.006248 CP/S = 0.003654

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	165.2		14.6		51.1		41.6		44.1	
RMS	77.9		62.3		53.8		109.6		48.4	
1/2 P-P	176.4		141.9		106.2		206.3		101.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-33.3	51.2	-34.2	14.7	-33.7	-2.3	-80.8	-6.3	-3.2	-1.9
2nd	5.1	5	-2.4	-1.4	-4.2	-5.2	-101.2	-11.8	-43.5	3.6
3rd	-28.5	25.2	-28.2	36.3	-31.6	40.8	-31	67	-37.2	16.3
4th	-23	-7.4	-19.9	2.3	-17.8	5	8.3	4.1	11.1	-4.5
5th	17.7	-55.5	3.6	-47.9	0.5	-35.3	-1.4	36.2	20.6	-1.5
6th	1.5	9.3	-0.7	7.3	-2.8	4.8	4.5	-4.1	10.6	-2.1
7th	-41.2	-16.7	-31.9	-4.7	-15	0.1	3.8	-4.5	-15.5	4.2
8th	12.9	-8.1	7.6	-7.6	2.5	-1.8	4.4	-2.1	-6.6	3.1
9th	-0.9	-2.1	-1.9	0	-1.7	1.6	-1.3	-0.2	-1.3	0.7
10th	-5.6	1.5	-3.7	3.1	0.1	1.1	-2.2	1.1	3.1	-2.2
11th	-17.2	-21.4	-12.8	-7.5	2.2	3.2	-7.7	-3.8	6.8	2
12th	-2.3	-3.6	-1.4	-1.4	1.1	0.9	-0.6	0.1	0.9	-0.7
13th	-0.7	2.3	-0.3	1.7	-0.6	-0.4	-0.3	0.4	-0.2	-0.1
14th	-6.9	0.6	-0.5	1.1	3	-1.4	2.6	-0.7	-2.6	1.9
15th	-4.8	1.1	-1.5	1	1.5	-1.1	1.7	-1.3	-1.5	2.5
16th	1.6	-0.2	0.7	-1.1	-0.5	0.2	-0.8	0.9	0.1	-1.3
17th	-2.1	1.6	-0.2	0.6	1	-1.2	0.2	-1.5	0.1	-0.4
18th	-0.8	0.9	-0.3	0.3	0	-0.3	0.3	-0.4	0	-0.4
19th	0.3	0.3	0.2	0	-0.5	0.2	-0.3	-0.4	0	0.9
20th	0.7	4.8	0	-0.5	-2.5	-2.2	0.2	0.5	-1.9	-2.6

D-571

RUN 38   PT 18

V/OR = 0.042	ALFS,U = 5.00	CLRH/S = 0.064652	CTH/S = 0.064951
VKTS = 16.8	MTIP = 0.606	CXRH/S = -0.006248	CP/S = 0.003654

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	46.3		708.6		286.5		1186.7		-173.2	
RMS	310.5		276.6		322.8		294.8		130.1	
1/2 P-P	643		688.9		754.2		649.3		239.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-105.7	387.1	-22.1	261.3	61.9	223.1	120	130.7	-20.1	156
2nd	33.5	18.4	36.6	-1.1	52.7	-3.2	54.8	-9.4	68.6	20.3
3rd	11.3	-147	-35.9	-157.3	-44.7	-197.3	-60.9	-166.6	9.2	-2.5
4th	-22.3	7.1	-59.9	71	-90.5	101.5	-106.2	117.1	-20.4	-30.2
5th	-2.6	70.1	-16.6	202	-33	296.2	-35.8	274.3	46.4	2.5
6th	19.6	-6.6	-10.2	-18.1	-25.3	-23.5	-33.9	-13.5	1.9	-6.5
7th	5.8	-19.4	26.4	5.1	17.7	19.7	-26.5	27.7	-11.6	2.1
8th	-0.1	5.2	-4.2	5.7	-0.4	-2.2	8.2	-14.8	-2.4	-4.5
9th	0.5	-11.6	0.1	-5.1	3.6	-0.7	6.4	8.6	5.6	0.7
10th	19.7	-21.3	14.6	-20.5	3.7	-7.2	-12	15.7	4.7	2.1
11th	20.8	29.6	42	33.9	6	6.1	-28.9	-22.1	-1.4	-8.3
12th	14.2	24.6	27.7	25.6	13.3	13.7	-9.9	-11.1	-1.1	-1.7
13th	-6.2	2.6	-8.7	4.5	-5.2	4.5	1.8	0.1	3.3	-3.5
14th	-2.3	-0.7	4.8	-3.5	-3.3	1	3.6	-0.1	-8.8	-3
15th	0.2	-0.5	6.3	-0.7	-0.1	4.4	-0.4	-0.4	2.5	3.2
16th	-0.1	-0.5	-2.4	-3.1	0.4	-6.2	0.1	-1.8	0	3
17th	0.8	-2.8	0.2	-0.3	-2.3	5.8	0.7	-0.5	-0.8	-0.4
18th	2.5	1.3	-1.8	-2.3	-5.5	-1.2	-2.5	-2.7	1.8	0.2
19th	2.2	-1.4	-0.8	1.2	-1.2	3.3	-1.8	2.2	2.4	-0.4
20th	6.3	7.6	-5.5	-3.9	-11.2	-3.3	-14.4	-10.2	-1.4	0.7

D-572

RUN 38   PT 19

V/OR = 0.031   ALFS,U = 5.00   CLRH/S = 0.064782   CTH/S = 0.065062
VKTS = 12.4   MTIP = 0.605   CXRH/S =-0.006047   CP/S = 0.003893

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	165		18.6		54.9		73.2		62.7	
RMS	54.5		32.9		25.3		84.7		36.6	
1/2 P-P	135.1		82.6		57.9		134.2		73.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-35.5	53	-29	15.7	-24.7	-2.3	-102.8	-8.9	-8.4	-2.3
2nd	4.8	8.5	0.9	2	0.2	-1.3	-51.7	-7.3	-44	4.6
3rd	-4.6	5.4	-7	9.5	-9.5	11.1	-14.3	17.4	-17.3	6.2
4th	-10.5	-5.9	-11.2	-1.3	-11.5	-0.7	8.6	3.5	9.5	-2.7
5th	6.9	-19.8	-0.4	-19.1	-2.9	-15	2.8	14.8	9.2	-0.2
6th	-3	4.7	-2.8	4.1	-2.9	3.4	2.3	-2.1	1.8	-0.8
7th	-5.2	-8.4	-4.5	-4.8	-2.1	-1.1	1	-0.4	-3.3	0
8th	8.7	-0.4	5.9	-1.2	2	-0.3	1.8	-0.4	0.5	1.7
9th	2.5	-5.5	-0.2	-2.9	-1.2	0.4	0.6	-2.5	-1.1	0.9
10th	-1.6	-2.1	-1.9	-0.4	-0.1	0.6	-1.1	-0.4	0	-0.7
11th	-27.4	2.3	-13.9	6.3	3.4	-0.1	-8.2	4.7	6.8	-3.4
12th	-0.5	-3.6	-0.9	-1.9	0.3	0.7	-0.5	-0.4	1.1	0.3
13th	-1.6	5	0.7	1.8	-0.3	-1.3	0.5	-0.8	-0.3	1.1
14th	-2.5	2.8	0.5	1.3	0.9	-1.7	0.8	-1.3	-1	1.5
15th	0.8	-4.6	-0.6	-1.6	0.3	1.1	0.5	2	-0.6	-1.9
16th	4.2	4	1.7	0	-2.1	-1.1	-2.9	-0.8	1.6	0
17th	-0.4	1.1	0.1	0.5	0.2	-0.1	-0.2	-0.7	0	-0.1
18th	-0.1	-1.2	-0.5	-0.1	0.1	0.7	0.5	0.4	0.5	0.3
19th	0.1	-2.8	-0.1	-0.3	0.5	1.2	0.2	0.3	0.5	1.2
20th	-2.6	1.3	0	-0.2	0.4	-1.4	-0.1	0.4	0	-1.6

D-573

RUN 38   PT 19

V/OR = 0.031   ALFS,U = 5.00   CLRH/S = 0.064782   CTH/S = 0.065062
VKTS = 12.4   MTIP = 0.605   CXRH/S = -0.006047   CP/S = 0.003893

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	37.7		691.7		255.8		1150.9		-203.8	
RMS	309		220.6		206.2		168.6		115.5	
1/2 P-P	554.2		525.6		502.9		361.4		198.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-164.2	396.7	-72	272.3	7.5	231.1	72	140.6	-18	149.8
2nd	12	0.7	7.8	-8.7	14.2	-8.3	18.7	-9	51.7	18.6
3rd	34.4	-49.8	12.7	-53.9	7.2	-66.9	-3.2	-56.4	10.7	0.2
4th	0.2	-3.1	-15.6	16.8	-24.3	24.1	-33.4	29.4	-4.2	-19.9
5th	-11.3	36.8	-52.2	91.5	-84.6	129	-96.1	120.1	10.6	3.9
6th	10.2	5.5	-0.1	-10.8	-5.4	-21.7	-12.9	-21.3	2.1	-0.1
7th	-4.5	-14.3	0.5	0	2.4	6.8	-0.4	8.4	-6.1	2
8th	-1.2	-0.1	-6.6	1.8	-5.1	-0.6	2.2	-2	2.4	1.2
9th	12.3	-15.4	4.4	-5.4	1.7	1.3	-4.2	8.7	2.5	-1.5
10th	11.5	-7.1	8.5	-5.3	2.6	-2.3	-6.4	3.9	2.3	-0.2
11th	17.9	8.1	36.8	-6.1	2.8	1.2	-26.4	4.6	-2.2	-3.5
12th	-3.6	2.4	-1.9	5.8	-1.9	0.3	1	-3.2	-0.8	1.5
13th	1.6	-9.5	-2.2	-22.2	-0.5	-10.8	1.6	5.8	-1.6	-0.4
14th	-0.2	-0.8	0.4	-7	-0.5	-1.4	1.7	1.1	-4.3	-0.6
15th	0.1	-0.9	5.5	1.6	4.1	-4.8	-0.3	0.8	2.5	1.5
16th	-0.3	-0.2	-8.5	-5.9	0.1	-4.8	-3.1	-3.8	-1.3	2.1
17th	1.2	-0.1	-2	-0.2	-2.7	2.1	-0.9	0	-0.5	-0.8
18th	2.5	1.3	-0.4	0.6	-4.9	-0.8	-1.4	0.4	-1.1	-0.1
19th	-0.2	0.9	-0.7	2	-3	-3.3	0.2	2.3	-0.3	-0.7
20th	3.7	14.4	-4.3	-5.7	-18.8	-12.8	-10.1	-15	0	1.7

D-574

RUN 38   PT 20

V/OR = 0.021   ALFS,U = 5.00   CLRH/S = 0.065128   CTH/S = 0.065404
VKTS = 8.4   MTIP = 0.604   CXRH/S = -0.006012   CP/S = 0.004322

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	164		18		54		55		68.5	
RMS	45.5		26.2		18.3		68.7		30.4	
1/2 P-P	105.7		62.7		41.6		125.4		60.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-37.2	45.8	-26.8	14	-18.6	-1	-93	-11	-24.1	-3.5
2nd	2.5	4.7	1.6	1.4	1.8	0.3	-6.9	-6.9	-31.3	1.8
3rd	0.2	9.6	-3.4	10.4	-6.5	11.6	-10.6	16.9	-3.6	1.4
4th	-3.3	-2.9	-4.6	-1.6	-4.4	-1.6	4.8	2.5	11.7	-4.6
5th	-0.6	-7.8	-2.5	-7.5	-2.4	-6.1	3	7	4	0.4
6th	-5.6	0	-5.6	1.2	-4.1	2	3.7	-1.4	-3.4	2.9
7th	-2	-4.6	-2.7	-1.8	-1.3	0.7	1.5	-1.1	-3.3	0.4
8th	1.6	11.7	3	8.4	1.8	3.5	0.2	2.3	1.3	0.3
9th	0.6	2.4	1	1.2	0.5	0.2	0.6	1	0.7	-0.7
10th	4.7	-3.7	2	-3.4	-0.2	-0.5	1.5	-2.1	-1.1	1.8
11th	9.4	-3.3	4.6	-3.6	-0.6	-0.3	2.8	-2.4	-2.6	2.2
12th	-1.9	-3.8	-1.2	-1.5	1	0.5	-0.2	-0.4	-0.2	0.1
13th	0.2	-1	0.3	0	0	0.6	0.4	0.3	0	-0.5
14th	1.2	2.2	0.9	1.2	-0.5	-0.8	-0.3	-0.4	0.8	0.9
15th	1	3.4	0.7	1	-0.3	-1.5	-0.7	-1.3	0.5	1.6
16th	2.4	-0.3	0.6	-0.7	-0.2	0.6	-1	0.7	0.7	-0.4
17th	0.2	-0.1	0.1	-0.3	0.5	0.6	0.1	0.1	0.4	-0.2
18th	-1.2	-1	-0.1	0	0.9	0.3	0.5	-0.1	0.7	0.2
19th	0.9	-0.5	-0.2	0.1	-0.2	0.5	0	-0.2	-0.4	0.6
20th	0.1	0.4	0.4	0.1	0	0.2	-0.5	-0.2	0.2	-0.2

D-575

RUN 38　　PT 20

V/OR = 0.021　　ALFS,U = 5.00　　CLRH/S = 0.065128　　CTH/S = 0.065404
VKTS = 8.4　　MTIP = 0.604　　CXRH/S = -0.006012　　CP/S = 0.004322

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	39.1		697.8		269.7		1168.9		-207.4	
RMS	270.5		177.3		143.6		103		89.7	
1/2 P-P	447.7		363		327.3		252.6		145.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-211.4	313.9	-110.7	214.1	-32.8	181	34.7	110.5	-15.9	122.1
2nd	-2.7	-14.1	-6	-12.9	-7.1	-8.9	-5.4	-5.5	20.4	7.5
3rd	41.9	-8	24.9	-18.2	20.6	-31.4	10.8	-28.9	7.2	9.3
4th	7.6	0.6	6.3	10.7	6	15.9	2.7	17.6	-2.6	-12
5th	-12.3	5.5	-38	21.5	-56.7	30.7	-64.9	27.5	2	-2.3
6th	4.8	-0.5	3.6	-3.1	3.8	-5.4	-3.9	-3.7	2	2.6
7th	9.1	-12.9	3.3	-1.6	-0.9	6.2	-8.5	11.8	-1.5	-2.8
8th	-0.8	-2	-4.3	-9.3	-3.9	-7.1	-0.6	6	-2	1.8
9th	8.4	9.3	4.4	2.4	-1.5	-0.5	-5.7	-4.1	0	-0.4
10th	3.2	7.8	0.2	8.9	0	2.8	-0.8	-7.2	0.6	2.4
11th	-14	3.5	-18.2	11.2	-4.7	2.8	11.7	-6.6	0.5	0.1
12th	0.9	0	3	2.2	-0.9	-0.9	-2.4	-1.3	1.2	-0.8
13th	6.7	1.3	12.1	-1	9.2	-1.3	-3.4	0.3	0.6	-1.3
14th	0.8	-0.6	2.4	0.9	5	4.5	0.1	0.7	0.5	-1.6
15th	-0.1	0.2	-6	2	-3.5	6.9	-0.3	0.1	-2	0.2
16th	-0.1	0.4	1.3	3.3	4.4	1.4	0	0.5	-1.2	-2.4
17th	-0.7	0.4	-0.1	0.3	0.5	-0.6	0.2	-0.7	1.2	0.7
18th	-1.8	0.2	2	1.3	0.6	0.4	2.7	1.1	0.1	0.7
19th	-0.6	-0.8	0.8	0.7	1.8	0.1	0.9	1.3	1.3	0.2
20th	-4.3	-11.4	3	3.3	16	12.6	10	8.9	-0.3	-1

D-576

RUN 38   PT 21

V/OR = 0.010   ALFS,U = 5.00   CLRH/S = 0.064959   CTH/S = 0.065216
VKTS = 3.8   MTIP = 0.605   CXRH/S = -0.005783   CP/S = 0.004922

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	181.8		31.4		66.9		34.4		75.5	
RMS	51.4		41		31.7		55.9		28.7	
1/2 P-P	143		103.5		86.1		132.6		72.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-5.7	13.6	-7.6	3.7	-4.3	3.1	-33.8	5.2	-17.7	7.2
2nd	7.8	-1.8	7.7	-7.6	9	-9	20.8	-35.6	-8.6	-21.4
3rd	6.2	-12.2	3.3	-19	3.3	-24.7	0.1	-42.4	-0.6	1
4th	14.3	1	13.8	-1.3	13.4	-1.9	-9.8	-0.7	-13	11.2
5th	-21.1	8.4	-16.5	10.5	-12.9	7.8	17.4	-12.7	-1.3	-2.3
6th	3.8	-3.7	4	-4.3	4.7	-2.7	-3	3.6	2.1	-3.9
7th	5.4	-1.8	3.4	-1.9	2.6	0.4	-1.5	-0.5	4.4	-0.7
8th	11.3	27.2	12.2	16.8	4.6	6.6	0.8	6	4.5	0.1
9th	-4.8	0.3	-3.4	1	-0.9	0.7	-2.5	0.8	2.2	-1.5
10th	4.1	-1.3	2.1	-1.5	-1.2	-0.7	1.7	-0.2	-1.6	-0.2
11th	12.4	9.6	8.2	2.6	-2.2	-2.5	4.9	1.2	-4.2	-1.1
12th	-2.4	2.6	-0.4	1.2	0.4	-1.5	0.6	-0.3	-1.9	1.6
13th	-1.5	-0.6	-0.7	0.3	-0.2	-0.1	0.1	0.5	-1.4	0.2
14th	-2.6	-1.9	-1.3	-0.3	0.8	0.6	0.5	0.1	-1.3	0.3
15th	-2.1	0.2	-0.4	0.5	0.3	0.1	0.7	-0.4	-1	0.8
16th	-6	0.7	-1.2	1.6	2.1	-1	2.5	-1.7	-0.8	1.4
17th	-1.2	-0.1	-0.5	-0.1	0.8	-0.2	0.5	0	0.5	-0.8
18th	1.2	-0.4	-0.1	-0.3	-0.3	0.2	-0.3	0.3	-0.6	-0.8
19th	5.2	2.2	0.1	-0.5	-2.9	0.3	-0.5	0.3	-4.2	0.1
20th	-1.2	4	0.2	-0.1	-0.9	-2.1	-0.2	0.5	-0.7	-2.1

RUN 38　　PT 21

V/OR = 0.010　　ALFS,U = 5.00　　CLRH/S = 0.064959　　CTH/S = 0.065216
VKTS = 3.8　　MTIP = 0.605　　CXRH/S = -0.005783　　CP/S = 0.004922

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	106.7		751.2		308		1200.8		-207.4	
RMS	114.6		120.1		137.1		129.5		47.8	
1/2 P-P	291.4		297.1		348.6		316.8		117.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	26	85.1	32.2	55.2	44.3	35.5	48	9.6	21.1	43.3
2nd	8.9	26.2	8	35.9	1.4	59	-5.4	61.6	0.7	17
3rd	24.7	93.1	48.5	73.8	59.4	80.7	58.6	62.1	6.5	7.7
4th	-11.1	-0.9	3.6	-1	11.1	-1.6	22.5	-2.3	20.2	7.4
5th	26.7	-15.8	50.1	-53.1	72.6	-78	65.2	-75.7	-14.3	-13.7
6th	-11.9	6.9	-3.1	5.9	2.2	5.9	12.7	-3.4	-1.9	3.4
7th	-2.6	3.4	0.3	2.7	4.4	0.1	8.6	-5.5	2	-1.5
8th	1.8	-2	-8.9	-21	-4.2	-15.7	7.4	5.7	0.4	4.8
9th	5.8	-2	8.2	-4.4	2.8	-2.1	-5.2	1.1	-1	-0.7
10th	2.6	1.2	-0.1	1.4	1.4	-0.9	-0.2	-1.1	1.1	0.1
11th	-12.6	-9.1	-25.9	-9.4	-4.6	-0.6	15.6	7	-1.7	3.3
12th	6.2	-4.1	6.3	-8.3	1.2	-0.7	-4	4.5	-0.9	-0.3
13th	-0.2	3.6	2.4	5.4	-0.3	4.2	-2.3	-0.2	0.4	-1.1
14th	0.3	-1.1	-0.7	-0.7	-5.6	-1.6	-1.3	0.3	-0.4	-0.7
15th	-0.9	0.2	-0.3	-1	-2.4	0	0.1	0.8	-0.4	-1.8
16th	-0.6	0	6.6	-1.7	-0.9	4.4	3.2	0.5	1.4	-2.6
17th	-1.3	1.1	0.6	0.4	-1.7	0.4	0.9	-1.2	-0.3	2.8
18th	-0.7	1.3	0.4	1	1.3	-1.6	-1	0.4	0.6	1.6
19th	-1.7	-0.3	-2	1.4	8.5	-1.3	-5	1.5	0.6	2.5
20th	2.8	2.5	-2.1	-2	-3.7	3.9	-5.7	-5.1	-1.5	-0.2

D-578

RUN 37   PT 5

V/OR = 0.251   ALFS,U = -10.00   CLRH/S = 0.078956   CTH/S = 0.080110
VKTS = 100.3   MTIP = 0.606   CXRH/S = 0.013553   CP/S = 0.006016

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	199.9		49.4		64		-45.5		8.7	
RMS	66.8		43.5		55.6		90.4		28.6	
1/2 P-P	140.6		94.8		94.5		157.5		54.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	68.7	42.8	47.5	-16.7	46.9	-52.6	43.4	-81.8	-18.9	-28.1
2nd	26.2	17.1	6.7	21.1	-1.9	26.2	-63.6	6.8	-15	6.8
3rd	-1.2	29.1	2.9	21.5	3.7	20.6	-4.3	56.4	-7.8	9.1
4th	9.4	-4.1	7.5	-3.9	4.8	-3.8	-12	15.4	1.9	4.5
5th	-1.3	7.4	0	4.8	-2.5	1.8	2.7	-6.4	3.1	1.6
6th	-1.8	5.1	-2	4.2	-2.3	1.8	3.5	-0.5	-0.8	-1.9
7th	3.3	2.3	2.2	2.6	0.3	2	0	-2.2	-0.7	-1.3
8th	-9.1	5	-5.7	5.1	-3.2	2.5	-0.9	-0.7	-0.2	1.3
9th	-2.6	-1	-1.7	0.8	-1.3	0.8	-1.6	-0.1	1.1	1.5
10th	4.4	4.4	2.7	1.6	0	-0.5	1.7	0.8	-1.1	-0.4
11th	-6.2	12.9	-1.1	7.9	0.5	-1	-0.4	4.4	-0.1	-4
12th	0.6	2.3	0.8	2	-0.7	0.4	0.3	1.2	-0.3	-1.2
13th	0.1	1.4	0.1	1.5	-0.4	0.4	0	1.1	0.3	-0.5
14th	0.4	-0.9	0.5	0.7	-0.1	1.3	-0.2	1.1	0.3	-0.7
15th	-0.1	-0.3	0.2	0.3	-1	0.5	0.3	0.4	-0.6	-0.8
16th	0.2	0	-0.1	-0.4	-0.3	-0.3	-0.1	0.8	0.1	-0.9
17th	-1.8	0	0	0.1	1.2	-0.1	0.6	-0.1	0.4	0.1
18th	-0.4	0	0.1	-0.2	0.2	0.1	0.1	0.5	0.2	-0.3
19th	-2.7	0.2	0.7	-0.2	0.9	-0.1	-0.4	0.3	1.9	-0.6
20th	-1.8	-2.5	0	-0.3	1.9	0.7	-0.4	0.2	1.5	1.1

D-579

RUN 37   PT 5

V/OR = 0.251   ALFS,U = -10.00   CLRH/S = 0.078956   CTH/S = 0.080110
VKTS = 100.3   MTIP = 0.606   CXRH/S = 0.013553   CP/S = 0.006016

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	118.4		784.2		335.8		1261.3		-169.5	
RMS	399.3		333.9		389.2		341		175.3	
1/2 P-P	634		632		779.5		703.3		281.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	188	518.4	74.1	421.4	-36.5	471.3	-104.8	373.1	132.1	193.4
2nd	72.2	-44.2	50.4	-68.3	56.5	-100.5	65.7	-91	50.7	43.9
3rd	2.4	29.5	-34.6	23.7	-71.1	15.4	-69.2	4.4	-19	22.5
4th	17.9	43.8	44.1	92.3	62.7	136.6	69.9	135.4	19.5	-22.8
5th	-37.5	-47.6	-118.2	-59.8	-172.3	-72.2	-181.2	-65.3	-8	3.8
6th	11.2	11.6	-5.6	-16.9	-14.2	-40.1	-24.4	-47.3	-8.5	-7.9
7th	-5.8	-10.6	-3.5	-3.5	5.1	2.1	13.6	7.5	-0.4	-8.1
8th	9	-0.8	11	-5	7.9	-2.1	-4	6.9	-2.1	2.3
9th	-0.3	-2.8	0.9	-1.4	1.6	-1.2	-1.1	-0.3	-1.7	-1.5
10th	-0.1	6.3	-3.9	3.1	1.1	3	3.5	-1	3.4	0.3
11th	14.1	-12.6	11.1	-25.7	4.5	-4.6	-7.6	17.4	-1.5	2.6
12th	2.6	26.8	10.6	29.1	7.9	18.4	-3.2	-10.9	-0.1	-1.5
13th	-1.5	6.7	0.2	10	1.4	8.2	-0.5	-1.8	4.8	0.9
14th	0.8	-1.4	0.5	0.8	1.7	0	-0.6	1	0.9	-2.4
15th	1	-1.1	4.5	-0.6	5.3	-2	-0.3	0.3	1.1	-0.4
16th	1.1	-0.3	4.7	-4.1	5.6	-5.4	0.9	-1.9	0.9	2.2
17th	-1.1	-0.9	1.3	0	0.1	0.5	1.6	0.1	0.6	-1.5
18th	-0.6	2	0.2	-2.2	-1	-4.8	0.1	-2.3	0.4	0.7
19th	-3.4	-1.6	1.2	0.1	2.8	1.1	5.1	-1.2	-1.4	-0.9
20th	-7.2	3	2.7	-0.8	3.7	-10.7	9.7	-3.6	1.2	1.8

RUN 37   PT 6

V/OR = 0.200   ALFS,U =-10.00   CLRH/S = 0.079486   CTH/S = 0.080654
VKTS = 80.0   MTIP = 0.604   CXRH/S = 0.013683   CP/S = 0.005402

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	194.3		44.5		59.3		-41.4		8.4	
RMS	58		28.8		40.4		74.5		25.9	
1/2 P-P	108.6		67.5		77.5		140		54.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	44.1	54.7	29.3	-6.9	27.8	-43.8	6.4	-69.2	-14.3	-21.8
2nd	23.6	14.2	7.2	10.8	-0.8	11.7	-54.2	1.4	-19.5	3.9
3rd	-7.6	15.3	-5.4	12.8	-6.9	14.8	-12.1	54.4	-7.6	7.5
4th	1.1	-10.9	-0.4	-9.5	-0.2	-7.9	-5.7	9.7	8.3	4.9
5th	-2	8.7	2.9	7	3.3	6.1	0.1	-6.4	1.1	-0.8
6th	-10.5	5.2	-6	3.1	-1.9	0	3.4	-0.4	-5.4	-1.4
7th	9.3	4.6	7.2	1.6	4.3	0.8	-0.7	-1	0.4	-0.9
8th	-13.5	7.7	-8.3	6.3	-3.4	1.9	-2.7	0.8	1.3	1.6
9th	-0.6	0.1	-0.7	-0.1	-1.1	0.3	0.3	-0.9	1.1	1.5
10th	4.9	1.5	3.3	-0.1	0.4	0.7	2.8	-0.5	-2.9	0.3
11th	-4.7	2.4	-2	2	0.5	0.4	-0.7	1.3	-0.7	-1.4
12th	3.1	2.3	2.1	0.3	-1.2	-0.4	0.7	0.1	-0.2	-0.2
13th	-0.5	2.3	-0.1	0.7	0	-0.3	0.2	0.1	0.7	0.2
14th	-2.4	0	-0.8	0.4	1.1	0.5	0.9	0.5	-0.8	-0.1
15th	0.3	-1.9	-0.7	-0.8	-0.3	1.8	0.1	1.7	-1.1	-1.3
16th	2.2	1.7	1	-0.5	-1.2	0	-1.6	0.6	1.3	-0.7
17th	-2.7	1.2	-0.7	0.6	1.4	-0.5	0.6	-0.8	0.3	0.5
18th	-0.5	0.4	0	0.1	0.5	0	-0.2	0	0.4	0.5
19th	0.1	0.8	0	0.2	-0.4	0.4	-0.5	-0.1	-0.1	0.4
20th	0.6	0.3	0	0.3	0	0.3	-0.2	-0.4	-0.7	1

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RUN 37   PT 6

V/OR = 0.200
VKTS = 80.0

ALFS,U = -10.00
MTIP = 0.604

CLRH/S = 0.079486
CXRH/S = 0.013683

CTH/S = 0.080654
CP/S = 0.005402

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	86.6		752.3		319.1		1260.9		-151.5	
RMS	394.5		312.7		343.8		275.9		167.7	
1/2 P-P	581.6		551.7		676.4		563		276.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	118.2	536.4	50	417.6	-9.7	449.8	-50	340.7	95.1	205.6
2nd	61.1	-12.3	42.6	-32.3	52.4	-48.9	65	-49.7	45.8	35.7
3rd	2.6	7.6	-27.9	6.5	-48	-7.5	-50.5	-19.4	-10.3	-5.6
4th	-1.7	52.1	13.5	98.9	17.6	136.4	24.3	129.5	5.6	-23.9
5th	-28	-40.3	-45.7	-41.7	-60.3	-46.6	-50.7	-38.2	-21.3	6.3
6th	-8.7	17.2	1.6	-7.6	4.3	-23.1	3.6	-36.3	-13	-1.2
7th	-11.8	-3.8	-9.2	-0.8	-1.6	1.5	15.5	2.2	5	0.1
8th	0	7	9.2	-3	5.3	-3.7	-7.1	-2.8	-6.8	2.4
9th	5.8	3.5	4.8	1.8	0.9	0.3	-2.5	-3.3	3.4	-2.7
10th	-2	-2	-5.5	-0.3	-1.3	1.2	4.9	0.7	-2.3	2.9
11th	14.8	6.8	17.3	0.7	5.1	1.3	-9.4	-0.8	-5	-1.1
12th	-0.2	0.5	-3	0.4	0.6	0.4	2.4	-0.3	1.8	0.8
13th	-5.9	3.5	-9	8.4	-7	7.5	2.6	-1.7	-1.2	5.5
14th	0.5	-0.8	1.8	0.7	-2	1.2	0.7	0.9	-1.6	-2
15th	1.5	0.5	-2.5	7.3	-4.5	2.5	-0.6	1.5	1	2.3
16th	0.5	0.4	3.5	-1.2	8.6	-3	1.5	-1.3	-3.1	2.4
17th	3.6	-1.6	-0.1	0.9	-5.4	5.8	0	1.1	0.8	-1.2
18th	1.1	-1.7	-0.7	-0.3	-1.6	0.5	0	1.1	0.3	1.8
19th	2.5	0	-1.6	0	-4.2	0.8	-3	1.4	-0.7	0.6
20th	4.6	-12.9	0	5.2	4.7	20.2	1.3	17	1.8	-0.6

RUN 37   PT 7

V/OR = 0.150   ALFS,U =-10.00   CLRH/S = 0.080108   CTH/S = 0.081279
VKTS = 60.1   MTIP = 0.605   CXRH/S = 0.013757   CP/S = 0.005032

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	194.8		41.4		55.4		-28.6		14.3	
RMS	57.6		28.7		34.8		70.9		31.4	
1/2 P-P	103		77.6		74.2		140.1		70.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	25.4	58	11.9	0.1	7.1	-32.7	-35.6	-57.1	-11.4	-14.7
2nd	22.9	13.2	7	3.9	-2.2	2.2	-39.8	-1.1	-31.5	0.8
3rd	-16.1	7.1	-16.1	12	-19.8	16.8	-26.7	50.8	-7.7	6.5
4th	-8.2	-22	-8.2	-16.3	-7.2	-12.3	2.9	13.3	17.5	5.1
5th	-1.5	14.9	3.5	16.7	2.1	17.9	0.4	-19.1	0.9	-4.1
6th	-17.8	-6	-11.7	-2.6	-5.1	-0.9	4.8	-1.2	-10.5	-1.1
7th	8.7	0.6	7.1	-1.7	4.6	-0.2	-1.2	1.2	-0.1	-1.7
8th	-15.1	5.8	-9.4	6.2	-3.9	3.3	-3.4	0.7	3	0.9
9th	-1.5	-2.8	-1.4	-2.3	-1	-0.1	0	-1.2	1.6	-1
10th	8.5	0.9	4	-0.7	-0.9	0.5	3.8	-0.2	-4.9	0.6
11th	-0.7	12.5	2.1	7	-0.3	-0.2	1.7	4.6	-2.8	-3.7
12th	1.5	-0.7	0.4	-0.2	-1.5	0.6	-0.1	0.6	0.8	-1
13th	0.8	0.4	-0.1	1.1	-0.8	0.4	-0.3	1.2	1.5	-0.9
14th	-3.1	0.4	-0.3	0.7	1.2	0	0.9	0	-0.8	0.5
15th	-0.7	-3.4	-0.8	-0.6	-0.2	1.9	0.6	1.7	-1.1	-1.1
16th	1	1.4	0.6	0.4	-1.1	-0.5	-1.1	-0.1	0.8	0.1
17th	-1.5	0.9	0.1	0.3	0.8	-0.8	-0.2	-0.5	0.5	-0.1
18th	-1.2	-0.2	0.2	0.4	0.5	0	0	-0.2	0.6	0.4
19th	0.5	-1.9	0.3	0.4	-0.2	0.8	-0.4	0	0.3	1.5
20th	1	-0.2	0.3	0.2	0.1	-0.3	-0.3	-0.2	-0.7	0.7

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RUN 37   PT 7

V/OR = 0.150	ALFS,U = -10.00	CLRH/S = 0.080108	CTH/S = 0.081279
VKTS = 60.1	MTIP = 0.605	CXRH/S = 0.013757	CP/S = 0.005032

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	71.3		742.1		314		1268.1		-141.6	
RMS	375.6		292.4		309.9		240.8		162	
1/2 P-P	598.4		535.8		589.3		504.7		295.6	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	73.6	513.5	46.7	386.2	39.6	397	30.5	284.5	66	203.2
2nd	55.7	26.5	39	5.5	54.6	-3.4	59	-19.3	52.4	33.3
3rd	17.6	-53.8	-14.5	-51.2	-18.5	-73.2	-28.4	-74.5	-2.8	-24.5
4th	-25	51.5	-18	106.6	-19.7	138.3	-20.6	130.9	-6.9	-39.8
5th	-22.2	-33.4	-31.4	11.4	-38.5	33	-27.5	62	-23.8	5.6
6th	-16	-1.5	10.1	7.9	24.2	12.1	20.6	7	-8.6	2.8
7th	-7.7	0.3	-10	4.1	-7.9	3	5.7	-1.2	0.6	3.3
8th	-0.2	-3.7	10.6	-6	9.3	-5	-1.8	3.5	0.9	-1.1
9th	2.8	9.7	5.4	7.8	2.9	1.4	-0.6	-7.5	1.3	5.5
10th	18.9	10.7	8.3	5.7	5.5	1	-3.7	-5.5	0.5	3
11th	11.8	-5.7	5.3	-17.5	3.5	-3.4	-2.3	11.5	-4.1	-0.7
12th	-12.4	20.3	-10.2	27.8	-5.2	13.5	4.4	-11.2	4.1	1.3
13th	-2	4.7	-4	10.5	-1.4	7.2	0.5	-0.7	2.9	0.5
14th	0.9	-0.3	4.9	-2.2	2.2	0.2	0.7	1.6	-3	-1.6
15th	1.8	0.6	0.8	5.3	-1.5	0.8	-0.4	2.2	2.5	-2.2
16th	0.4	-0.8	-0.1	-3.4	4.2	-1.7	-0.1	-0.4	1.9	-0.4
17th	1	-0.7	-0.4	-0.2	-0.6	2.8	0.8	0	-1.6	-1.6
18th	1.2	-2	1.1	-0.4	0.3	2.1	2.1	1.4	-0.4	0
19th	-1	-2.7	0.4	0.2	2.3	-0.5	2.4	3.6	0.1	-2
20th	0.1	-10.9	1.3	3.3	10.9	13.7	5.2	11.9	-1.2	0.4

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RUN 37   PT 8

V/OR = 0.100	ALFS,U =-10.00	CLRH/S = 0.079104	CTH/S = 0.080223
VKTS = 40.3	MTIP = 0.606	CXRH/S = 0.013367	CP/S = 0.004903

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	190.1		36.9		52.4		-7.9		32.8	
RMS	55.5		32.2		35.7		75.9		43.3	
1/2 P-P	99.8		74.5		69		145.5		85.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	4.2	58.7	-7.6	6.6	-13.4	-20.3	-66.7	-37.2	-13.2	-9.8
2nd	17.2	11.7	4.4	0.2	-1.4	-1.6	-43.4	-8.7	-50.5	1.1
3rd	-24.8	5	-26	14.9	-28.7	21.1	-27	47.3	-7.4	6.9
4th	-14.2	-23.8	-13.5	-14.9	-11	-10.3	5.7	11.5	24.8	-0.6
5th	-0.6	15.2	1.7	18.9	0.6	20.2	1.3	-23.2	4.3	-7.6
6th	-15.4	-9.4	-12.2	-3.8	-6	-0.1	6.4	-0.8	-8.3	2.3
7th	-4.5	-4.8	-3.3	-2.9	-0.2	-0.4	-0.3	0	-4.8	1
8th	-2.4	2.6	-1.2	2.4	-0.5	1.5	-0.3	0	1	-0.9
9th	-5.7	1.9	-2.8	1.7	-0.9	0.7	-1.4	1.1	1.9	-2.3
10th	-1.4	2.5	-1.1	1.1	-0.4	-0.1	-0.4	0.8	1	-1
11th	0.6	16	2.9	7.6	-0.7	-2	2.1	4	-1.7	-2.1
12th	-5.1	0.3	-1.8	1	0.2	-0.5	-0.6	0.2	-0.7	0.7
13th	-1.9	-1.5	-1.6	-0.4	0	0.1	-0.7	0.2	-0.2	-0.5
14th	3	-1.1	0.4	-0.5	-1.6	0.7	-1.4	0.7	1.7	-1.6
15th	0.4	0.7	1.1	0.2	-0.7	0.1	-0.6	-0.3	1.5	0.2
16th	-1.5	-1.4	-0.6	0.2	0.6	0.4	0.7	0.3	0	0.5
17th	0.2	-0.7	-0.3	-0.1	-0.1	0.4	-0.1	0.3	-0.7	0.6
18th	1	0.7	0	-0.1	-0.9	-0.2	-0.4	-0.2	-1	0
19th	-1.4	0.3	0	0.3	0.3	-0.9	0.1	-0.5	0.4	-0.6
20th	1.8	-0.1	-0.1	0.1	-0.9	0.1	0.4	-0.3	-0.9	0.4

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RUN 37 PT 8

V/OR = 0.100 ALFS,U = -10.00 CLRH/S = 0.079104 CTH/S = 0.080223
VKTS = 40.3 MTIP = 0.606 CXRH/S = 0.013367 CP/S = 0.004903

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	49.5		725.7		297.9		1243.6		-152.4	
RMS	356.2		273		284.7		228.6		153.3	
1/2 P-P	588		522.3		570.8		488.6		289.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	42.8	487.6	59.5	355	102.4	340.3	113.5	229.9	42.5	193.9
2nd	29	35.9	22.8	17.5	37.3	12.6	38.1	-4.9	56.7	29.8
3rd	24.6	-92.7	-4.3	-94.1	-2.8	-124.6	-20.1	-110.2	1	-30.1
4th	-28.9	25.7	-26.5	75.9	-32.7	98.7	-37.5	99	-16.2	-43.9
5th	-14.1	-26.8	-27.1	30.7	-38.4	60.8	-29	97.9	-11.4	7.2
6th	-2.8	-14.9	9.5	15.2	14.8	34.7	5.8	39.6	-1.6	11.4
7th	-1.3	1.5	0.7	6.8	-2.9	7.2	-4.8	3.8	-6	1.8
8th	2.1	-3.1	4.1	-1.5	5.9	0.9	6.6	6.2	5.2	-5.1
9th	2.5	7.6	7.4	1.2	4.4	-0.7	0.2	-2	-0.6	-0.5
10th	1.6	22.5	4.9	13	3.2	5.3	-1	-10.5	-0.6	0.2
11th	4.1	-4.3	-3.6	-17	1.3	0.4	2.8	11	-1.3	2.5
12th	-4.9	1.2	-4.1	0.1	-6.1	1.5	0.5	-0.4	-0.5	0.1
13th	-1.4	0.8	-2.5	2.3	-3.1	0.6	-1.1	-1.3	1.9	4.2
14th	1.2	0.3	0	4.8	4.3	2.1	-1.7	-0.2	4.2	1.7
15th	0.2	0.3	-2.5	0.8	0.1	1.6	0.5	0.5	-4.7	-1.8
16th	1	0.7	6.3	0.3	4.4	-0.9	1.7	1.1	1.7	0.6
17th	1.3	-0.5	0.2	0.8	0.2	0.3	-1	1.2	1.3	0.4
18th	0.6	1.4	-0.7	0.3	1	-0.4	-1.7	-0.3	-0.3	1.9
19th	3.3	-2.1	-0.3	0.5	-3.8	6	-1.1	2.2	-0.4	-1.5
20th	2.9	-1.7	-1.1	2	-0.1	4.2	-3.9	5.3	1.1	0

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RUN 37   PT 9

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	188.6		35.8		52.3		1.7		38.6	
RMS	53.5		29.8		33.8		77.7		45.3	
1/2 P-P	100.2		70.3		70.5		141.6		90.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-1.8	59.4	-12	8.3	-17.7	-17.7	-77	-32.1	-14.7	-9.5
2nd	15.4	11.5	3.5	0.1	-1	-1.8	-42.1	-10.1	-53.5	2.1
3rd	-24.2	4.8	-25	14.7	-27.3	21	-25.1	46	-6.9	7.6
4th	-14.9	-20.2	-13.6	-11.9	-10.9	-7.8	5.8	8.4	24.3	-2.9
5th	-3.4	8.7	-1.8	13.5	-2.3	15.7	4.7	-17.9	5.6	-8
6th	-12.2	-7.5	-9.2	-2.3	-3.9	1.1	4.6	-1.7	-6.3	2.7
7th	-8	-3.1	-5.7	-0.8	-1.4	0.8	0.1	-1.1	-5.1	2.9
8th	2.3	3.6	2.2	2.2	0.6	1.6	0.9	0.2	0.5	-0.3
9th	-4.9	3.7	-1.9	2.7	-0.7	0.9	-1.2	1.7	1.5	-3.1
10th	-5	3.7	-2.8	2.4	-0.2	-0.2	-1.7	1.5	2	-1.9
11th	2	10.1	2.8	4.1	-0.5	-1.4	1.8	1.9	-0.9	-0.3
12th	-4.6	2.7	-1.2	1.6	0.6	-1.1	-0.2	0.1	-0.7	1.3
13th	-2.2	-1.1	-1.2	-0.1	0.3	0.6	-0.5	0.4	-0.6	-0.5
14th	3.9	-3	0.3	-1.1	-1.7	1.9	-1.6	1.4	1.5	-2.5
15th	2.2	1.9	1.3	0.1	-1.4	0	-1.6	-0.5	2.1	0
16th	-2.2	-1.3	-0.8	0.2	1	0.3	1	0.1	-0.3	0.6
17th	0.5	-1.7	-0.3	-0.4	0.1	0.9	0.1	0.8	-0.4	0.4
18th	0.7	0.5	0.1	0	-0.6	0	-0.4	-0.1	-0.6	0.2
19th	-0.9	1.3	0	0.4	-0.4	-1	0	-0.4	-0.2	-0.9
20th	-2.2	-0.9	-0.2	0.5	1.2	-0.6	-0.1	-0.3	1.1	-0.5

RUN 37   PT 9

V/OR = 0.091 ALFS,U =-10.00 CLRH/S = 0.078666 CTH/S = 0.079761
VKTS = 36.4   MTIP = 0.607   CXRH/S = 0.013189 CP/S = 0.004911

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	46.6		722.2		289.7		1234		-158.3	
RMS	353.1		268.4		278.4		224		149.9	
1/2 P-P	583.1		519.4		560.9		463.4		281.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	34.5	485.4	60.4	351.2	112.8	332	126.2	221.1	35.2	191.9
2nd	25.8	31.7	21	14.8	33.5	10.7	34.9	-4.4	56.7	27.2
3rd	17.8	-90.9	-9.4	-92.1	-9	-121.7	-25.7	-107.2	1	-29.2
4th	-31.3	18.4	-30.2	65.7	-37.8	87	-40.4	89.1	-18	-38.6
5th	-4.4	-19.1	-4.2	36.5	-5.8	67.7	2	99.3	-5.9	4.9
6th	-4.5	-16.7	4.8	13.1	9.1	32.6	3.5	38.9	-2.7	9.4
7th	-0.6	3.7	3.3	5.7	-0.6	5.1	-6.2	2.4	-3.7	1
8th	3.1	-2	1.2	-1.4	4.1	0.9	7	5.2	5.9	-1.4
9th	-1.1	11.1	4.8	2.9	3.1	0	2	-3.4	0	-0.7
10th	0.4	17.8	5.6	8.6	2.4	4.1	-3.3	-6.9	0.9	1.2
11th	-1.4	-2	-7.5	-8.5	-0.8	1.6	4.7	5.5	-1.9	2.6
12th	-4.1	-2.7	-4.8	-6.1	-6.2	0	0.8	2.2	-3.1	1.3
13th	-1.6	-0.3	-2.8	0.4	-2.6	-0.4	-0.5	-0.3	1.8	2
14th	1.5	-0.1	-0.8	3.2	3.9	-2.4	-1.9	0.6	5.2	-1.1
15th	-0.1	0.9	-4.6	0.1	1.2	1.3	-0.5	-0.4	-4.4	0.3
16th	0.8	1	4.1	0.9	0.4	1.5	1	1.4	1.3	-1.2
17th	1.3	1.5	0.9	0.7	0	-2.7	-0.6	1.2	1.6	0.1
18th	1.2	0.9	-0.1	0.6	1.4	1.1	-0.8	1.1	1.9	-0.6
19th	3.8	-0.6	-1.7	0.1	-5.2	6.1	-3.2	1.1	-0.1	-0.1
20th	9	1.1	-1.6	1.1	-14.1	8.8	-6.1	3.8	0.6	-0.3

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RUN 37   PT 10

V/OR = 0.081   ALFS,U = -10.00   CLRH/S = 0.078966   CTH/S = 0.080080
VKTS = 32.3   MTIP = 0.606   CXRH/S = 0.013323   CP/S = 0.005006

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	186.9		35.4		52.7		15.7		46.6	
RMS	54.1		28.1		30.2		80.3		47.9	
1/2 P-P	102.9		64.1		61.8		132.2		92.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-3.3	62.7	-14.8	11.1	-20.2	-14.5	-89.8	-27.3	-16.9	-11
2nd	13.2	11.2	2.4	0.3	-1.6	-1.8	-37.8	-11.4	-56.4	2.7
3rd	-23.5	4	-23	13.8	-23.8	19.3	-23.4	41.5	-7.4	9.3
4th	-15.2	-17.3	-13.5	-9.4	-10.3	-6	6.9	6.4	23.3	-4.6
5th	-3	-2.1	-2.3	4.1	-1.6	7.8	3.8	-9.1	7.5	-8.1
6th	-11.3	-6.1	-8.3	-0.9	-3.7	2.3	3.8	-2.5	-4.5	3
7th	-12.7	-4.1	-9.7	-0.5	-3.4	1.1	1.1	-1.5	-7.3	4.7
8th	4.5	2.9	3.6	1.4	1.1	1.5	1.3	0.4	-0.1	-0.4
9th	-3.5	3.8	-1.1	2.9	-0.4	1.1	-1	1.7	1.6	-3.4
10th	-5.6	2.6	-3.1	1.9	0.8	-0.5	-2	1.3	2.2	-1.4
11th	0.4	1.7	0.8	0.4	0.8	-0.3	0.5	0.1	-0.1	0.9
12th	-1.4	0.5	0.1	0.1	0.2	0.4	0.2	-0.3	-0.5	0.6
13th	-3.2	0.9	-0.5	1.1	0.4	0.5	0.6	0.2	-0.6	0.4
14th	-1.3	-0.5	-0.2	0.2	0.8	0.1	0.2	0	-0.8	0.4
15th	6.9	-3.7	1.4	-2.4	-2.2	2.5	-2.4	2.8	2.1	-2.9
16th	-1.3	5	0.8	1.7	0.1	-1.9	-0.9	-2.8	1.1	0.7
17th	-1.6	-2.5	-0.8	-0.4	1.2	0.7	1.3	0.6	0.3	0.3
18th	1	-2	0.1	-0.4	-0.1	1.4	-0.1	0.8	0	1.4
19th	1.1	2.2	0	-0.2	-1.3	-0.5	-0.3	0.1	-1.8	-0.6
20th	-4.1	-1.4	0	0.4	2	-0.9	-0.4	-0.2	1.9	-1.2

D-589

RUN 37   PT 10

V/OR = 0.081   ALFS,U = -10.00   CLRH/S = 0.078966   CTH/S = 0.080080
VKTS = 32.3   MTIP = 0.606   CXRH/S = 0.013323   CP/S = 0.005006

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	40		714.3		280.2		1218.2		-167.8	
RMS	350.6		266.2		277.2		227.3		150.8	
1/2 P-P	595.3		543.8		580.5		491		280.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	29.8	484.7	63	347.1	121.7	324.4	139.6	213.3	34.2	194.3
2nd	21.3	29	18.3	13.3	32.5	9.9	30.6	-2.8	56.7	26.2
3rd	-1.4	-86	-23.4	-86.1	-24	-113.4	-37.1	-99.5	0.2	-29
4th	-22.5	12.7	-22.6	53.7	-30.2	70.7	-34.1	76.1	-19.9	-35
5th	10.2	-5.6	45.8	46.4	69.1	81.2	81.4	100.4	3.4	5.9
6th	-3.1	-20.7	4.2	9.8	7.9	30	2.9	41.3	-3.3	4.9
7th	2.2	3.7	8.5	5.1	4.6	4.8	-7.9	2.4	-3.7	2.6
8th	0.7	-4.1	-1.3	-2.5	3	-0.5	9.1	2.7	3.9	-2.5
9th	-1.6	8.7	2.3	2.1	2	-0.4	2	-2.2	1	-1.2
10th	-2.7	12.1	3.6	6.1	0.9	3.4	-1.9	-4.8	1.5	0.3
11th	-7	-11.9	-10.6	-10.6	-3.9	-3.8	5.5	5.7	0.6	-0.1
12th	0.6	-5.3	-1.1	-8	-1.4	-3.6	0.4	2.7	-2.8	0.8
13th	5.9	0.3	12	-4.3	7.1	-0.5	-3	1.7	-0.3	-0.1
14th	0.4	-0.8	2	-2.6	1.3	-2.1	-0.1	0.9	-0.3	0.5
15th	-0.4	0.9	-0.9	5.5	8	-4.6	-1.6	0.6	1.6	5.1
16th	-0.3	-0.3	-4.6	-6.5	-1.6	1.9	-0.1	-2.2	-3	-4.7
17th	-0.2	2.2	3.1	0.4	-0.5	-3.2	1.4	0.5	1.8	2.2
18th	0.6	1.3	-0.6	1.6	-0.7	-3	-0.4	2.1	0.1	-1.5
19th	-0.5	0.6	-2	1	1.1	2.7	-2.8	-0.6	0.6	1.1
20th	6.5	5.7	-0.5	-1.4	-16.8	-0.4	-3.7	-4.1	0.6	-1.6

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RUN 37　　PT 11

V/OR = 0.071　　ALFS,U =-10.00　　CLRH/S = 0.078720　　CTH/S = 0.079829
VKTS = 28.4　　MTIP = 0.606　　CXRH/S = 0.013276　　CP/S = 0.005063

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	185.1		34.9		53.3		29.1		53.7	
RMS	54.5		27.3		27.4		82.5		47.2	
1/2 P-P	95.7		65.1		58.6		128.3		93	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-6.8	65.1	-17.8	13.4	-22.1	-11.8	-99.4	-23.7	-19.9	-11.1
2nd	10.4	10.7	1.4	0.8	-1.2	-1.8	-34.5	-11.7	-55.5	2.9
3rd	-20.8	1.4	-19.6	10.8	-20.2	15.2	-21.4	34.4	-7.6	8.7
4th	-13.8	-16	-12.7	-8.6	-10.5	-5.9	8.7	6.3	20.4	-5.1
5th	-0.1	-8.6	-0.8	-2.4	-0.3	2.5	1.6	-3.6	9.5	-5.9
6th	-9.6	-5.2	-8.2	-0.6	-5	2.3	4.5	-2.5	-3.3	2.6
7th	-12.5	-8.3	-10.8	-3.6	-4.7	-0.1	2.7	-1.8	-9.3	2.8
8th	-2.1	1.9	-1	1.8	-0.2	1.7	-0.3	-0.1	-0.7	0.5
9th	-4.5	3.8	-2.2	3.2	-1	1.1	-1.3	1.5	2	-2
10th	-3.2	5.5	-1.1	3.6	0.4	0.1	-0.5	2.6	0.8	-3
11th	1.6	2.1	1.3	0.7	0.5	0.2	0.9	0.4	-0.8	0
12th	-0.3	5.3	1.3	2.3	-0.2	-0.1	0.8	0.4	-0.3	1.2
13th	-2.6	-0.7	-0.5	0.9	0.3	1.4	0.7	0.9	-0.9	0.1
14th	0.1	-2.8	-0.4	-0.6	0.4	1.4	0.1	1.2	-0.9	-2.1
15th	5.8	-1.2	1.4	-1.5	-1.9	1.4	-2.2	1.7	2.3	-1.9
16th	-2.9	2.1	-0.2	1	0.8	-0.8	0.7	-1.6	0.4	1
17th	-0.6	-1.5	-0.5	-0.2	0.5	0.6	0.6	0.5	-0.1	0.4
18th	1.3	-1.2	0.1	-0.1	-0.4	0.7	-0.3	0.4	-0.4	0.9
19th	0.3	-0.8	0.1	0	-0.4	0.5	-0.1	0	-0.4	0.6
20th	-1.8	-1.5	0	0.1	0.7	0	-0.2	-0.3	1.1	-0.1

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RUN 37   PT 11

V/OR = 0.071   ALFS,U = -10.00   CLRH/S = 0.078720   CTH/S = 0.079829
VKTS = 28.4   MTIP = 0.606   CXRH/S = 0.013276   CP/S = 0.005063

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	35.1		706.8		267.7		1201.3		-176.8	
RMS	346.8		265.2		278.8		233.7		148.1	
1/2 P-P	602		563.8		609.1		512.5		270.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	23.8	481	63.1	342.1	125.7	316.1	146.4	206	31.4	191.9
2nd	14.9	23.3	12.5	9.2	24.6	7.7	24.1	-2.6	54.8	24.3
3rd	-4.1	-82.2	-23	-80	-25	-102.6	-35.3	-89.4	-0.5	-28.9
4th	-12.6	7	-17.1	39.1	-24.3	51.6	-29.7	55.7	-17.6	-33.2
5th	16.8	8.2	61.5	74.6	90.3	122.4	103.9	136.8	9.2	9.2
6th	5.9	-20.3	5	5.6	5.4	23.1	-3.4	33.5	0.6	2.6
7th	8.2	2	11.7	7.9	6.4	9.6	-10.3	5	-1.4	0.8
8th	3.6	-6.5	5.1	-3.8	7.2	-0.1	5.8	4.9	2.7	-2.1
9th	4.6	9.1	6.4	1.5	2.7	-1.5	-2.1	-2	2.2	-0.5
10th	-2.8	3.4	-0.5	-1.8	0.6	0.8	2	1.7	0	0.4
11th	-2.9	-10.3	-7.5	-9.4	-1.5	-3.5	4.7	5.1	0.9	-1.3
12th	6.1	1.1	5.8	-4.9	4.8	1.5	-1.3	1.9	-1.7	1.8
13th	5.5	6.8	14.9	8.6	8.5	6.5	-3.6	-1	1	-0.7
14th	1.4	-0.9	3.8	-1.1	2.3	-4.8	-0.5	1.4	1.6	0
15th	0.4	-0.3	-1.9	6.9	5.6	1.5	-1.2	0.5	-0.3	4.4
16th	-0.1	0.5	0.3	-6.8	-1.7	-3.3	0.8	-2.3	0.6	-3.4
17th	1	1	0.7	2	-2.2	-0.1	-0.4	1	1.1	0.6
18th	0.3	-0.2	-0.9	0.9	-0.3	-1.3	-0.7	2.1	0.1	-1.8
19th	1.3	0.4	-2.7	1.6	-4.9	1.7	-3	2.4	0.2	-0.8
20th	1.3	0.4	1.8	-0.6	-3.5	-0.5	1.7	0	-0.5	0

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RUN 37   PT 12

V/OR = 0.060   ALFS,U =-10.00   CLRH/S = 0.079013   CTH/S = 0.080131
VKTS = 23.9   MTIP = 0.606   CXRH/S = 0.013352   CP/S = 0.005196

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	185.3		35.9		55.1		43.2		60.8	
RMS	57.1		27.3		24		82.6		43.4	
1/2 P-P	99.8		58.9		48.2		132		84.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-10.3	70.1	-19.7	17	-22.4	-9.5	-104.3	-21.6	-22.8	-6.8
2nd	6.9	9.9	0.1	1.9	-1.2	-1	-35	-10	-50.5	3.3
3rd	-16.8	-0.5	-15.1	7.7	-15	11.2	-17.3	22.4	-9.3	3.2
4th	-10.5	-14.3	-10.4	-7.8	-9.3	-5.4	7.1	6.3	15.5	-4.3
5th	3.5	-14.9	0	-8.6	-0.8	-2.9	1.1	2.1	11.2	-1.3
6th	-3.8	-3.4	-4.4	-0.9	-3.7	1.1	3.8	-1.2	-1	0.9
7th	-13.4	-4.8	-11.6	-1.6	-5.4	0.3	2.3	-1.6	-9.5	1.9
8th	1.9	-9.1	-0.3	-6.6	0.2	-1.4	0.7	-2.2	-1.6	-0.1
9th	-4.1	1.6	-2.1	1.5	-0.3	0.6	-1.3	1	1.7	-1.8
10th	-7.8	4.9	-3.4	4.1	0.4	0.3	-2.4	3.1	2.4	-3.5
11th	-0.3	4.9	1	2.9	0.9	-0.1	0.8	2	-0.3	-1.3
12th	-2.4	5.3	0.4	2.4	0.9	-0.8	0.7	0.4	-0.6	1.1
13th	-0.1	1.7	0.8	1.7	0	0.7	0.5	0.7	-0.5	0.1
14th	1	-2.5	0.1	-1	0.4	1.3	0.1	0.8	-0.1	-1.3
15th	8.3	-5.9	0.9	-3.4	-2.2	3.2	-2.4	4	1.9	-4.2
16th	-0.2	0.7	0.2	0.2	0.2	-0.3	0.1	-0.5	0.5	-0.1
17th	-1.9	-3.3	-0.9	-0.4	1.7	0.8	1.8	0.8	0	0.5
18th	0.3	-0.6	-0.1	0	0.3	0.2	0	0	-0.2	0.7
19th	0.6	2.9	0.4	0.2	-1.4	-1	-0.6	-0.3	-1.4	-1.1
20th	-2.4	0.7	0.4	0.3	0.3	-1.2	-0.5	-0.1	0.9	-1.3

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RUN 37 PT 12

V/OR = 0.060 ALFS,U =-10.00 CLRH/S = 0.079013 CTH/S = 0.080131
VKTS = 23.9 MTIP = 0.606 CXRH/S = 0.013352 CP/S = 0.005196

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
MEAN	33		699.6		254.9		1178		-189.4	
RMS	342.4		261.5		275.7		233.8		142	
1/2 P-P	612.8		573.9		615.2		506.7		262.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-1.9	476.6	48.3	335.3	115	307	143.5	199.4	26	187.4
2nd	9	8.9	7.1	-2.6	16.8	-3.4	17.6	-8.7	47.5	21.4
3rd	-0.7	-73.8	-14.1	-72.4	-16.4	-90.2	-22.6	-76.9	-4.1	-21.7
4th	-3.4	1.6	-12.5	21.5	-20	26.5	-25.6	28.9	-10.3	-28.4
5th	20.4	22.9	53.2	107.4	72.7	168.2	81	180.3	16.2	5.9
6th	10.6	-10.9	0.5	1.4	-4.6	10.1	-13.5	15.2	3.6	3
7th	12.1	7.5	13.1	6.8	5.3	5.8	-16.5	2.5	-3.6	2.3
8th	5.2	0.7	5.1	7.5	5.1	4.9	3.3	-2.8	2	-3.3
9th	-3.1	17	2.6	8.2	1.5	-0.8	0.2	-8.5	0.8	1
10th	1.5	4.5	6.8	-2.8	1	0.2	-4.9	2.7	-3.2	-1.5
11th	-9.3	-15.5	-13	-16.2	-4.8	-6.3	7.7	10.2	-1.1	-3.1
12th	-0.4	1.3	0.3	-3.9	-0.8	2.1	1.1	2	-1.1	2.5
13th	3.9	6.9	10.4	8.3	8	7.4	-2	-0.6	2.3	-2
14th	0.4	-0.5	2.1	-1.4	2.2	-5.1	0.1	0.5	0.7	0.2
15th	0	1.1	-2.9	9.3	4.2	-5.7	-2.1	0.4	3.4	5.8
16th	-0.8	0.2	0.4	-4.2	1	-4	0.4	-1.2	1.1	-4
17th	0.4	1.1	2.5	0.8	-4.5	-3.6	1.5	1.4	2.8	-1
18th	-0.2	0	0	-1.4	0	-3.5	0.2	0	-0.5	-1.3
19th	-0.5	-1.4	-2.9	-1.1	1.8	3.5	-2.8	-1.9	-0.3	0
20th	4	-2.3	-0.2	0.3	-4.1	8.1	0.1	2	-0.5	-2.9

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RUN 37　　PT 13

V/OR = 0.050	ALFS,U = -10.00	CLRH/S = 0.079460
VKTS = 20.1	MTIP = 0.604	CXRH/S = 0.013443
		CTH/S = 0.080587
		CP/S = 0.005336

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	186.7		37.9		58.5		54.9		66.7	
RMS	56.9		27.6		21.8		81.7		40.5	
1/2 P-P	107.6		59.3		47.2		126.5		82	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-15.5	69.4	-21.9	18.1	-22.9	-6.7	-104.2	-20.3	-22.4	-5
2nd	4.6	9.4	-0.7	2.6	-1.8	0.1	-35.1	-11.4	-46.3	-0.1
3rd	-12.2	-1.8	-11.3	5.5	-11.1	8.4	-15.6	17.1	-11.7	1.5
4th	-8.1	-12.5	-9.3	-7.1	-8.7	-5.2	6.8	6.7	15.3	-0.6
5th	3.4	-15.5	-1.4	-9	-3	-3	2.5	3.2	10.1	-1.4
6th	-3.3	-2.1	-4.1	-0.4	-3.9	0.7	3.5	-0.9	-1.7	0.9
7th	-14.5	-2.4	-11.6	0.4	-5	0.8	1.8	-1.6	-7.4	1.9
8th	3.1	-7.2	1.4	-5.3	1.7	-1	0.7	-1.7	-1.1	-1.2
9th	-5.6	2	-1.9	1.9	0.4	0.9	-1.9	1.4	2	-1.4
10th	-7	3.6	-2.7	3.3	0.5	0.2	-2.1	2.5	2.5	-2
11th	16.6	3.8	9.8	-0.6	-0.8	-0.5	5.9	-0.7	-4.5	0.9
12th	-1.2	6.4	1.2	2.8	0.7	-1.1	1.1	0.6	-0.9	0.3
13th	0.8	-1.3	-0.2	0.5	-1.1	1.4	-0.3	1.2	-0.3	-1.1
14th	2.2	-4	-0.3	-1.4	-0.7	1.5	-0.4	1.5	0.3	-1.9
15th	5.2	-1.5	1	-1.3	-1.3	1	-2	1.5	2.1	-1.3
16th	-2.2	-1.9	-1	0.4	1.6	0.8	1.7	0	-0.8	0.3
17th	-0.6	-2.4	-0.6	-0.6	0.4	0.9	0.9	0.7	-0.6	-0.1
18th	0.5	1.5	0.2	0.1	-0.4	-0.9	-0.4	-0.4	-0.6	-0.3
19th	0.4	2.3	0.1	0.2	-0.8	-1.3	-0.4	-0.2	-0.9	-1.2
20th	-0.5	0.3	-0.2	0.2	-0.1	-0.4	0.1	0	0.6	-0.4

RUN 37   PT 13

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	31.5		692.9		238.8		1154.6		-201.2	
RMS	343.8		262.1		271.1		230.5		137.9	
1/2 P-P	617.6		594.6		626.2		490.4		247.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-31.4	478.8	29.3	337.5	97	305.4	131.5	198.2	21.6	184.8
2nd	5.9	0.6	5.4	-9.3	13.1	-9.2	16	-11.2	40.3	19.4
3rd	2.5	-61.4	-9.7	-60.4	-12.2	-75.5	-18.5	-64	2.5	-17.5
4th	1.2	1.5	-10.3	16.3	-18.4	20.1	-25.1	21.6	-2.8	-27.4
5th	18.8	28.3	37.2	120	46	185.3	48.2	198.8	14	2.4
6th	12.2	-4.6	-0.2	-1.4	-6.8	1.2	-17.5	3	4	3.6
7th	7	6.9	11.4	3.4	6.4	1.6	-13.7	0.3	-4.1	0.2
8th	2.9	0.4	1.7	6	0.8	4.7	1.5	-1.8	0.1	-3.5
9th	-20.6	14.8	-6.3	8	-0.2	-0.7	10.1	-8.7	-2.5	1.5
10th	-1.4	-3.6	2.7	-6.8	-1.5	-1.5	-2.9	5.6	-4.3	-2.6
11th	-13.9	-20.4	-30.6	-14.6	-4.2	-7.8	20.3	8	1.8	-1.4
12th	2.1	-5.3	-1	-11.6	-0.3	-1.3	1	5.9	-0.9	2.3
13th	-1	10.6	3.6	20.5	3	13.7	-1.5	-3.5	3.3	-0.7
14th	0.6	0.3	2	3.3	2.8	-3.6	-0.9	0.1	3.2	-0.9
15th	0.4	1.2	-6.3	6.4	-0.8	0.7	-2	0.1	-1.4	2.6
16th	0.4	-0.6	6.6	-0.1	2.3	0.1	1.9	1.7	3.5	-3.8
17th	1.1	2	0.4	-0.8	-3.8	-5	-0.3	0.2	1	-1.2
18th	0.1	-0.2	1.1	-1.1	4.4	1.2	-0.2	-0.5	-1.5	-1.4
19th	0.4	1.3	-2.6	-2.2	-0.7	-0.4	-3.6	-3.7	-0.5	-1.2
20th	0.7	4.9	-0.8	-1.1	-6	-4.6	-2.7	-4.7	1.8	0

RUN 37   PT 14

V/OR = 0.041   ALFS,U = -10.00   CLRH/S = 0.078720   CTH/S = 0.079803
VKTS = 16.3   MTIP = 0.605   CXRH/S = 0.013123   CP/S = 0.005388

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	186.1		38.8		60.8		64.1		74	
RMS	59.4		28.7		18.8		77.3		37.5	
1/2 P-P	130.5		70.9		39.2		125.7		75.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-24.6	71.3	-24.2	20.9	-21.1	-2.9	-101	-18.8	-20.6	-3.9
2nd	2.8	8.4	-0.4	3.1	-1.1	0.8	-27.8	-8.4	-43.8	0.1
3rd	-5.7	-2.4	-6.8	3.5	-7.2	5.5	-13.5	12.1	-9.6	1.6
4th	-4.3	-8.9	-6	-5.2	-5.9	-3.9	5.1	5.3	12.4	-1.2
5th	6	-15.6	-0.2	-10.4	-2.5	-4.8	2.3	5.6	8.6	-0.7
6th	-4.2	-0.6	-4.8	0.8	-4.7	1.4	3.7	-1.5	-1.8	1.4
7th	-14.6	-2.4	-11.3	0.4	-5	1	1.7	-1.7	-7.4	1.7
8th	-1.7	0.1	-0.4	0.5	1.6	0.8	-0.3	0	-0.5	-0.6
9th	-6.6	2.5	-1.7	3.3	1.9	2.1	-2.3	1.7	2.8	-1.1
10th	-1.6	-0.8	-0.4	0.1	0.3	0.9	-0.4	0.2	1.1	0.4
11th	23.3	10.4	14	1.5	-2.2	-1.4	8.7	0.4	-6.7	0
12th	0	1.2	0.3	0.8	0.5	-0.3	0.2	0.4	-0.7	-0.3
13th	2.5	-3.9	-0.5	-1.5	-1.1	1.7	-1	0.9	0.6	-1.3
14th	1.2	-1.6	-0.1	-0.5	-0.8	0.9	-0.4	0.5	0.6	-0.3
15th	-3.7	4.4	-0.6	2.1	1.1	-1.9	0.7	-2.6	-0.7	2.4
16th	-2	-1.3	-0.8	0.1	1.4	0.6	1.4	0.1	-1	0
17th	0	1.1	0.4	-0.3	0	-0.2	-0.2	-0.3	0.2	-0.5
18th	0.2	1.7	0.3	0.1	-0.2	-0.5	-0.5	-0.5	0.2	-0.4
19th	0.2	-2	0	0	0.4	1	0.1	0.2	0.5	1
20th	2	0.7	-0.2	-0.4	-1.5	0	0.5	0.5	-1.4	0.1

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RUN 37 PT 14

V/OR = 0.041
VKTS = 16.3

ALFS,U =-10.00
MTIP = 0.605

CLRH/S = 0.078720
CXRH/S = 0.013123

CTH/S = 0.079803
CP/S = 0.005388

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	30.5		687.4		226.4		1137.4		-210.1	
RMS	333.5		250.9		253.1		213.3		127.5	
1/2 P-P	580.3		547.2		550.7		429		221.5	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-58.5	462.8	9.8	324.3	74	288.9	111.7	187.6	11	173.3
2nd	-1.1	1.1	-1.3	-7.8	3.8	-8.1	8.2	-9.5	34.5	15.4
3rd	15.1	-49.5	2.3	-49	-0.5	-59.4	-6	-49.6	9.7	-10.6
4th	0	2.4	-9	14.7	-15.6	17.4	-20.1	18.8	1.3	-20.9
5th	7.7	33.3	-0.9	123.2	-12	183.8	-15.6	194.9	11.9	1.4
6th	11.9	-2.4	2.8	-3.6	-1.9	-5	-11.9	-3	1.1	3.3
7th	0	2.4	8.9	2.7	8.6	2.7	-7.5	3.5	-4.4	-0.9
8th	0.3	-0.6	1.5	0.5	0.6	0.1	0	2	-1.4	-4.1
9th	-24.5	.4	-10.1	-0.4	-1.2	-3	13.1	-0.9	-2	-1.1
10th	-2.5	-3.8	-1.4	-2.4	-1	-1.6	1.1	1.7	0.2	0.2
11th	-13.9	-18.3	-36.3	-15.1	-2.9	-5	25.3	10.1	0.4	3.4
12th	0.5	0	-0.6	-0.8	-0.1	0.6	0	1.4	1.5	-1.4
13th	-5.5	9.3	-5.8	22.3	-3.3	11.1	0.7	-5.6	2.6	0.9
14th	0.1	1.1	0.3	3.2	1	0.3	-0.6	-0.6	2.9	-0.9
15th	0.2	0.7	-6	-3.3	-9.7	5	-0.2	-0.3	-2	-1.3
16th	0.5	-0.4	6.5	3.4	3	4	1.9	2	2.3	-0.3
17th	-1.4	2.4	0.5	-1.9	2.1	-2.5	0.5	-2.8	-0.3	-0.9
18th	-0.5	-0.2	-0.2	0.6	2.7	3.2	-0.3	-0.7	0.1	-0.3
19th	-3.4	0	2	-1.3	4	-7.6	3.9	-1.1	-0.2	0.5
20th	-7.2	-1.6	2	0	13.3	-5.2	5.7	-2.7	0.6	1

RUN 37   PT 15

V/OR = 0.029   ALFS,U = -10.00   CLRH/S = 0.078314   CTH/S = 0.079412
VKTS = 11.7   MTIP = 0.603   CXRH/S = 0.013176   CP/S = 0.005633

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	185.3		38.8		60.5		58.4		83.9	
RMS	51.8		23.4		15.1		63.4		34.4	
1/2 P-P	97.8		49.3		33.8		95		61.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-30.4	64.9	-23.6	20.2	-18.1	-0.8	-84.9	-17.6	-31.7	-4.4
2nd	1.9	5.4	0.6	1.8	0.5	0.2	-15.6	-5.9	-34.7	-1.4
3rd	4.3	-2.6	-1.1	1.5	-3.5	3.7	-6.5	9.3	4.2	0.3
4th	-2.1	-5.8	-4.3	-3.7	-4.2	-2.9	3.7	4.4	9.6	0.1
5th	-1.6	4.7	-2.5	5.5	-3.3	5.6	3.8	-6.4	-2	-0.6
6th	-1.8	0.3	-2.4	0.6	-2.7	0.1	2.3	-0.6	-1	-0.2
7th	1.8	1.4	2.9	0.2	2.5	-0.3	-1.6	0.6	2.4	-0.2
8th	3.2	-2.6	2.2	-2	1.7	-0.6	0.7	-0.6	0	-0.2
9th	3.4	-1.6	2.4	-1	0.7	0.4	1.3	-0.8	-0.3	0.2
10th	-3.7	-0.5	-2	0.7	-0.3	0.5	-1.5	0.4	1.5	-0.2
11th	-3.3	0.4	-2	0.6	0.2	-0.4	-1.2	0.4	0.9	-0.1
12th	-2.4	1.4	-1.1	1.1	0.9	-0.1	-0.3	0.5	-0.2	-0.5
13th	1	0.8	-0.2	-0.1	-0.7	0	-0.8	-0.2	0.5	0.1
14th	1.4	1.1	0.2	-0.2	-1	-0.4	-0.7	-0.2	0.9	0.5
15th	-2.6	-1.2	-0.8	-0.1	1.3	-0.1	1.2	-0.1	-1	-0.2
16th	1.2	-0.7	0.1	-0.4	0	0.6	-0.4	0.6	-0.1	-0.5
17th	-0.6	0.1	0	0.4	0.4	0.2	0.2	-0.5	0	0.5
18th	0	-0.3	0	0	-0.1	0.3	0.1	0	0.2	0.3
19th	0.6	0.5	0.1	-0.1	-0.5	-0.1	-0.1	0	-0.2	-0.2
20th	1	-0.3	0.1	0.1	-0.3	0.4	0.1	-0.2	-0.5	0.3

D-599

RUN 37　　　　PT 15

V/OR = 0.029　　　ALFS,U =-10.00　　　CLRH/S = 0.078314　　　CTH/S = 0.079412
VKTS = 11.7　　　　MTIP = 0.603　　　　CXRH/S = 0.013176　　　CP/S = 0.005633

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	43.7		698.2		238.1		1142.9		-207.4	
RMS	297.2		209.1		193		149.6		109	
1/2 P-P	514.7		438.2		418.7		314.8		184.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-102.5	401.3	-28.9	282	28.7	249.5	70.3	163	2.2	150.3
2nd	-7	-5	-6.4	-8.9	-3.4	-8.7	1.7	-8.1	21.9	7.7
3rd	54.9	-31.3	39.2	-30.8	35.7	-36	24.5	-29.8	13.3	-6.8
4th	-0.5	-1.7	-7.1	6.3	-10	7.9	-12.9	9.2	-0.7	-14.4
5th	-11.5	4.2	-41.5	38.7	-65.2	58	-71.2	72.1	-7.3	3.6
6th	4.1	2.7	-2.6	-0.2	-7.7	-2.9	-13	-3.4	2.3	2.7
7th	-16.6	-0.3	-5.5	-0.9	3.9	-2.6	15.6	-3.6	-3.4	1.3
8th	-0.3	2.5	-1.7	4.1	-1.5	0.9	1.3	-2.5	2.3	-1
9th	-8.2	-15	-8.9	-5.7	-2.1	-0.2	6.3	7.5	-0.1	-0.3
10th	2.8	-6.4	3.7	-5.2	0.4	-2.2	-3.2	3.9	-0.5	-1.7
11th	9.7	6.1	12	2	4.1	1.8	-7.3	-1.2	0.4	0.2
12th	1.5	4.7	4.6	3.6	1.1	4	-2.3	-0.6	0.6	1.2
13th	-10.5	-0.2	-18.7	4.4	-12	3.4	4.1	-1.1	-0.6	0.8
14th	0	1	-2.1	0.3	0.9	-0.1	0	-0.9	1.4	3.4
15th	-0.4	0.1	0.8	-3.2	-3.3	-4	0.3	-0.1	1.1	-1.9
16th	0.1	-0.3	-4.1	3.6	-3.8	2.6	-1.6	1	-0.4	0.4
17th	-0.8	-2.2	1.4	0.1	1.6	3.1	1.8	0.7	1	-0.1
18th	-0.2	-0.8	-0.2	0.8	0.3	0.9	0.3	0.8	0.4	1.1
19th	-1.3	-1.1	1.7	0.8	5.4	0.9	1.8	0.9	0.3	0.7
20th	3.9	-7.9	0.3	4	3.1	12.8	0.1	10.9	-0.6	0.3

D-600

RUN 37   PT 16

V/OR = 0.019   ALFS,U = -10.00   CLRH/S = 0.079134   CTH/S = 0.080282
VKTS = 7.7   MTIP = 0.605   CXRH/S = 0.013533   CP/S = 0.006102

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	190.7		40.4		62.2		46		81.6	
RMS	42.3		21.7		13.3		51		29.3	
1/2 P-P	90.5		61.1		33.1		91.1		51.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-27.3	45.4	-19.6	13.7	-13.4	-1.2	-67.4	-14.5	-39.3	-4.3
2nd	1	0.8	1.7	0.4	2	0.3	9.9	-0.4	-2.2	-2.2
3rd	0.9	3.8	-2.6	5.2	-4.4	6.6	-7.3	11.8	4.2	0.3
4th	3.8	-1.5	3.6	-2	4.2	-1.6	-2.8	1	-0.8	0.4
5th	2.4	3.1	2	0.8	0.7	-0.4	-0.4	-0.6	-1.6	0
6th	0.4	-0.6	0.5	-0.8	0.1	-0.9	-0.1	0.6	0.4	-0.5
7th	3.4	-3.7	2.2	-2.9	0.8	-1.3	-0.4	0.5	1.7	-1.9
8th	-0.2	5.2	0.6	3.8	0.6	1.3	-0.4	1.2	0.8	0.1
9th	-1	2.1	-1.1	1.7	-0.5	0.4	-0.6	1	0.7	-0.6
10th	-1.5	1.5	-0.9	1.3	-0.6	0.1	-0.9	1	1.2	-0.9
11th	-6.5	-5.6	-4.3	-1.8	0.5	0.3	-2.9	-0.6	2.6	0.6
12th	0.7	0.8	0.2	0.3	0.1	-0.2	-0.2	0.3	0.6	0
13th	-0.2	1.3	0.6	0.8	0.4	-0.2	0.4	0.1	-0.1	0.1
14th	-0.4	0.9	0.4	0.6	0	-0.1	0.4	0.1	-0.3	0.2
15th	-0.9	2.8	0.2	1	0.2	-1.2	-0.1	-1.1	0	1.1
16th	-0.9	-0.1	-0.2	0.1	0.7	0.1	0.7	-0.2	-0.1	0
17th	-0.7	0.5	0.1	0.1	0.4	0.1	0.3	-0.3	0.5	-0.1
18th	-0.9	0.2	0	-0.1	0.3	-0.4	0.3	-0.1	0.5	-0.5
19th	-2	-1.2	0.1	0	1.2	-0.1	0.2	-0.1	1.8	-0.3
20th	0.5	-2.9	0	0	0.4	1.5	0	-0.1	0.9	1.1

D-601

RUN 37   PT 16

V/OR = 0.019   ALFS,U = -10.00   CLRH/S = 0.079134   CTH/S = 0.080282
VKTS = 7.7   MTIP = 0.605   CXRH/S = 0.013533   CP/S = 0.006102

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	71.2		727.2		266.7		1179.3		-202.2	
RMS	229.9		160.9		144.6		109.6		81.1	
1/2 P-P	421.7		347.2		325		250.8		156.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-126.7	291.9	-54.3	206.6	-1.4	183.8	43.2	118.5	-3.7	112.9
2nd	-9.4	-25.2	-13.5	-17.8	-21.1	-13.5	-21.5	-8.1	0.2	-3
3rd	44	1.9	32.1	-5.4	27.9	-14.2	19.8	-14.3	6.5	4.2
4th	-1	0.9	0.8	4.2	0.5	4.9	5.6	3.9	4.1	-0.2
5th	-11.7	-1.1	-41.5	-5.4	-64.8	-11.1	-66.7	-12.1	-4.8	2.7
6th	0	4.8	-0.3	0.1	-1.3	-3.5	0.2	-7.4	-0.3	1.1
7th	-5.4	-7.2	-2.5	-1.8	2.5	-0.9	8.6	-2.4	0	-1.6
8th	2.7	-0.3	1.1	-4.7	1	-4.5	-1	0.5	0.3	0.5
9th	9.1	-2.2	6.1	-4.4	2.7	-1.8	-5.1	3.3	0.9	-0.3
10th	7.2	0.8	6.7	-2.5	2.6	-1.2	-4.3	0.8	1.9	0.2
11th	0.2	7.6	8.1	9	0	2.2	-5.4	-5.9	-0.5	-1.3
12th	-6.3	-1.6	-8.2	-0.1	-4.1	0.5	3.5	0.6	1.2	1.1
13th	4.8	-2.2	7.3	-6.2	5.9	-2.9	-1.1	2	-1.1	-1.6
14th	-0.3	-1.2	1.2	-1	1.1	1.2	0.6	0.6	-1.1	-2
15th	0.4	-0.1	-2.3	0.1	-2	5.1	0.2	-0.4	-1.5	1
16th	-0.1	0	3.2	-1.7	1.9	-1.8	1.1	-0.5	0.4	0.3
17th	-0.7	-0.1	-0.2	-0.2	-0.4	1.2	0.9	-0.3	-1	-0.1
18th	-0.1	1.5	0	-0.6	-1.5	-0.4	0.8	-1.6	-1.1	0.1
19th	-3.8	0.6	3	-1.9	2.9	-4.2	6.3	-3	-1.2	-0.9
20th	-4.6	1.9	1	1	2.2	-7.5	4.8	-0.5	0.4	0.7

RUN 37   PT 17

V/OR = 0.011	ALFS,U = -10.00	CLRH/S = 0.078709	CTH/S = 0.079897
VKTS = 4.6	MTIP = 0.607	CXRH/S = 0.013728	CP/S = 0.006426

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	198.6		45		62.4		41		82.4	
RMS	52		35.8		25.7		38.1		22.4	
1/2 P-P	143.8		97.6		87.7		97.9		65	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-15.3	37.6	-7.2	17	-2.8	4.6	-28.1	-0.3	-15.2	7.9
2nd	0.8	2.3	1.5	3.5	0.1	5.5	0.4	11.7	3.2	5.3
3rd	5.1	-7.8	0.6	-13	-0.4	-18.2	-19.9	-23.9	-2.9	5.8
4th	15	2.9	15.9	-1.3	17.2	-2.5	-9.5	-7.2	-10.7	4.7
5th	-6.7	-2.4	-3.3	-1.6	-0.4	-1.7	2.7	2.6	-2.3	-1.4
6th	5.3	-3.8	3.5	-4.2	1.8	-3.3	-1.3	3.6	1.5	-3.3
7th	2.6	8.4	2.4	5.7	0.2	2.4	-1.9	-1.5	4.2	2.8
8th	-22.5	-11.8	-17.7	-4.2	-6.1	-1.2	-5.4	-3.6	0.4	1.7
9th	-3.9	-5.2	-4.1	-3.1	-1.2	-1.1	-2.3	-1.5	2.5	1.8
10th	1.7	-3.6	0.2	-2.8	-0.7	-0.5	0.8	-1.3	-0.9	2.3
11th	8.1	5.6	5.3	1	-1.5	-1.5	3.5	0.2	-3.8	1.3
12th	-0.5	1.6	-0.4	1.2	0	-0.3	-0.4	0.8	-0.7	0.1
13th	0.7	1	-0.8	-0.4	-0.7	-0.6	-1.6	-0.7	0.4	1
14th	-1.3	-0.4	-0.5	-0.5	0.5	-0.1	0.2	-0.4	-0.3	0
15th	2	1.9	1	0.1	-1.3	-0.3	-1.7	-0.7	2.5	0.6
16th	-0.9	2.7	0.5	0.5	0.1	-1.3	-0.8	-1.6	1.9	0.7
17th	-2.9	0.7	-0.3	0.6	1.3	-0.2	1.1	-1	1.5	0.3
18th	-2.8	-1.6	-0.4	0.4	1.4	0.6	1	-0.2	1.6	1.2
19th	-1.2	-3.7	-0.4	0.3	1.2	1.4	0.5	0.1	1.7	2.9
20th	2.4	0.7	-0.3	0.2	-1.4	0.4	0.5	0.1	-0.9	1.1

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RUN 37   PT 17

V/OR = 0.011   ALFS,U = -10.00   CLRH/S = 0.078709   CTH/S = 0.079897
VKTS = 4.6   MTIP = 0.607   CXRH/S = 0.013728   CP/S = 0.006426

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	83.7		739		285.7		1204.8		-206	
RMS	172.9		150.5		155.1		148		59	
1/2 P-P	403.5		358		400.8		369		130.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	3.9	212.4	15	146.8	20.1	125.7	20.9	88.2	10.7	74
2nd	-5.4	-20.5	-13.7	-18.8	-18.3	-27.7	-14.8	-24.3	-3.8	-6
3rd	52.7	59.5	62.5	39.4	70.6	43.3	63.5	31.9	13.4	5.2
4th	-13.1	9.4	8.3	-3.5	17.2	-11.9	35.5	-18.1	12.4	12.7
5th	11.3	0.3	70.4	3.3	109.4	11.2	121.9	13.2	-4.1	-2.1
6th	-2.4	3.8	-7.2	-2.5	-9.1	-8	-7.5	-15	1.7	1.3
7th	2.7	-2.9	2	-2	5.5	2.3	8.5	10.7	2.4	0.3
8th	4.2	3.3	22.9	10.2	17.2	8.6	-7.7	1.7	-0.7	-3.7
9th	12.4	9	14	7.3	6	4.1	-10.2	-3.6	3.2	-0.8
10th	1.6	6.9	1.4	7.5	1	2.4	-1.6	-5.2	1.4	0.1
11th	-10.2	3.6	-16.2	4.3	-1.3	5.8	10.3	0.6	-0.5	2.9
12th	-10.6	4.5	-9.8	10.2	-4.6	9.3	4.9	-1.1	0.1	-0.1
13th	-14.3	-8.6	-28	-6	-17.8	-2.5	6.3	1.9	-0.1	2.1
14th	-1	-1.4	-1.5	-3	-2.3	-2	1	0.1	-2.6	-0.3
15th	-1	-0.3	-0.3	-2.5	5.2	-0.9	0.1	-0.1	1.5	0.4
16th	-1	-0.3	-1.5	-0.8	0.4	3.6	1	-1.1	-4.8	-0.3
17th	-2.1	0.3	2.7	-1.5	1	1.6	3	-1.8	1.5	-0.7
18th	-1.8	0.5	2.6	0.1	-1.2	-0.2	4.2	-0.2	1.3	-0.5
19th	-2.7	1.1	2.8	0.4	-1.2	-4.5	5.8	1.2	1.2	-0.6
20th	-3.1	-1.4	-0.3	1.5	7.1	0.3	1.3	1.8	1.9	0.9

D-604

RUN 37   PT 18

V/OR = 0.011	ALFS,U = -10.00	CLRH/S = 0.080574
VKTS = 4.6	MTIP = 0.606	CXRH/S = 0.013798

CTH/S = 0.081746
CP/S = 0.006526

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	199.6		46.1		64.5		44.8		84.9	
RMS	41.3		32.3		28		37.2		20.9	
1/2 P-P	116.4		90.8		86.5		96.7		63.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	2	26.4	0.7	11.4	-1.2	1.9	-17.1	-1.1	-9.7	1
2nd	1.8	-2.4	0	-3.4	-1.1	-3.5	9.8	11.9	7.1	1.8
3rd	8.3	-8.1	6.3	-15.6	6.2	-20	1.9	-30.4	2.2	4.3
4th	19	2.1	19.7	-2.2	20.2	-3.4	-10.1	-9.9	-14.1	9.6
5th	3.9	14.9	9.8	11.1	10.8	8	-5.8	-12.3	-9.8	5.5
6th	3	2.7	3.6	3.3	2.8	3.4	-2.7	-3.7	-3.8	1.8
7th	4.2	5.8	3.5	4	0.9	2.2	0.6	0.7	-2.1	-0.5
8th	13.7	5.3	9.9	2	3.1	1.2	2.8	1.8	0.5	-2.5
9th	5	8.6	5.2	4.6	1.6	0.8	1.9	3.2	-0.7	-3.3
10th	1.8	8.6	2.2	4.8	-0.2	0.1	1.1	3.2	-1.2	-2.8
11th	-9	11	-2.7	7.3	0.7	-1.4	-1.5	4.1	0.8	-3.3
12th	-2	1	-0.4	1.1	0.4	-0.3	0.4	0.6	-0.7	-1.1
13th	-0.1	0.3	-0.3	0.2	-0.5	-0.1	-0.3	0.3	0.2	-0.9
14th	1.8	0.3	0.6	-0.6	-0.6	-0.2	-0.5	0	1.3	-0.6
15th	5.9	3.7	2.8	-0.2	-2.4	-0.7	-3.2	-0.5	3.8	0.4
16th	-1.1	3.9	0.8	0.9	0.2	-1.8	-0.6	-2.1	1.2	1.3
17th	-1	2.6	0	0.7	0	-1.1	-0.2	-1.1	0.1	0.3
18th	1.3	1.1	0.5	-0.1	-0.7	-0.1	-0.3	0.4	-0.5	-0.4
19th	2.7	-0.4	0.1	-0.2	-1.3	0.8	-0.2	0.6	-1.7	1
20th	1.6	1.5	-0.3	-0.4	-1	-0.5	0.4	0.7	-1.6	-0.3

D-605

RUN 37 PT 18

V/OR = 0.011 ALFS,U =-10.00 CLRH/S = 0.080574 CTH/S = 0.081746
VKTS = 4.6 MTIP = 0.606 CXRH/S = 0.013798 CP/S = 0.006526

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	98.7		749.7		286		1202.7		-204.7	
RMS	105.9		101.5		120.2		125.5		49.3	
1/2 P-P	262.6		282		290		327.2		115	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	7	101.4	8.3	69.5	19.6	66.8	25.8	53	9.9	55.2
2nd	8.9	-4.7	1.1	0.6	-2.9	4.6	-9.2	-3.2	-2.7	-7.8
3rd	16.4	78.4	35	67	41.9	75.5	45.3	56	6	7.6
4th	-7.7	4.7	24	-19.4	43.2	-35.1	63.2	-42.6	18.8	12.1
5th	-26.2	3.7	19.5	1	48.4	0	78.2	6.1	-11.7	15.6
6th	-6.6	-12.8	-8.5	0.2	-9.4	6.7	-5.1	16	-3.6	-2
7th	1.9	0.3	-5.3	-5.7	-6.7	-7.8	-4.3	-2.9	-1.2	0.8
8th	2.7	-2.8	-10.4	-4.2	-8.1	-4.8	2.3	1.5	1.7	-1.3
9th	-3.8	4	-7.2	-2.7	-2.9	-2.1	5.2	1	0.6	0.3
10th	-0.4	-1	-3.7	-6.9	0	-1.4	1.9	5.2	0.5	1.4
11th	7.3	-9.5	7.1	-21.5	0.2	-3.6	-7.4	12.4	-1.3	0.2
12th	8.8	9	13.3	4.6	5.4	3.5	-5.7	-2.9	0.7	0
13th	-2.9	1.9	-3.8	3.3	-2.9	2.2	-0.2	-1.5	1.9	0.4
14th	-0.4	0.5	-1	-1.4	2	-2.2	0.6	-0.9	1.7	3.4
15th	-1.8	0.4	-2.4	2.5	9.6	3.8	0.2	-1.2	-1.1	3.1
16th	-1	0.4	-1.7	-3.6	-0.6	2.4	1.1	-3	-2.4	-0.6
17th	-0.4	1.1	-0.4	-1.9	0.5	2.1	-0.6	-2.6	1.8	-0.5
18th	-1.4	0.5	-0.7	0.4	2.9	0.5	-0.9	-1.2	-0.3	-0.4
19th	-0.6	-2.2	-0.6	3.1	4.3	2.8	-1.4	4.4	1.3	-0.6
20th	-4	2.5	-1.1	-0.9	4.2	-5	-0.4	-5.1	1.2	1.5

D-606

RUN 53   PT 5

V/OR = 0.250   ALFS,U = -5.00   CLRH/S = 0.079110   CTH/S = 0.079400
VKTS = 100.1   MTIP = 0.606   CXRH/S = 0.006780   CP/S = 0.004159

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	196.8		30.8		49		-68.6		4.5	
RMS	56.7		44.6		54.6		93.8		29.7	
1/2 P-P	129.2		103.8		101		166.4		70.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	47.8	31.8	38.9	-25.8	32.2	-57.7	47.2	-84.2	-15.2	-27.7
2nd	15.2	22.9	0.2	26.7	-4.7	27.4	-64.2	18.2	-14.5	9.6
3rd	-2.3	11.1	3.9	8.4	10.3	15.4	0.2	57.1	-6.8	11.2
4th	2.7	-4.7	0.7	-5.5	-8.7	-7.8	-3.7	16.5	4.2	6.5
5th	-1.1	5.9	3.1	5.6	6.2	4.7	-1.4	-10.3	4.1	-0.4
6th	-17.5	8.1	-10.2	8.9	-6.9	7.9	2.3	-2.3	-3.4	-4
7th	-4.2	2.9	-2.5	3.1	-3.2	-0.9	-1.1	-2.3	-5.3	-1.3
8th	-22.4	9.6	-13	9.9	-3.7	6.9	-4.7	-1.5	-2.1	2.6
9th	-8.3	7	-5.2	6.9	-3.5	0.8	-3.8	3	3.7	0.9
10th	9.1	5.1	6.7	2.3	1.9	0.6	3.5	2.1	-1.1	-1.9
11th	-8.4	32.9	2.4	17.4	-1.1	-1.9	1.5	8.3	-3.3	-8.6
12th	1.7	-0.9	1.4	-0.6	1.3	-2.1	0.4	-1	-1.1	1
13th	4.9	-0.5	2.4	-1.4	-1.3	1.4	0.3	-0.2	1.6	1.3
14th	1.5	2.8	0	0	-2.7	-0.7	-0.8	-0.8	1.5	0.7
15th	-1.7	-4.5	-1.9	-0.4	2.4	0.4	1.3	1.2	-2.8	-2.1
16th	2.9	-3.3	-0.2	-1.5	-1.2	3.1	0	2	-1.2	-1.6
17th	-0.7	0.7	-0.1	0.1	-0.9	-0.9	1.1	-0.1	0.2	0.2
18th	-0.9	0.8	0.1	-0.2	2.1	-1.1	0.3	0	1.2	-0.9
19th	2.8	3.2	0.1	-0.1	-3.1	0.7	0.1	0.5	-2.2	-1.5
20th	-4.6	1.1	0.7	0	1.9	-2.9	-0.3	0.6	2.1	-2.4

D-607

RUN 53   PT 5

V/OR = 0.250   ALFS,U = -5.00   CLRH/S = 0.079110   CTH/S = 0.079400
VKTS = 100.1   MTIP = 0.606   CXRH/S = 0.006780   CP/S = 0.004159

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	58.9		741.7		329.9		1220.4		-100.7	
RMS	388.4		330.8		392.1		332.5		158.4	
1/2 P-P	575.8		580.2		700.1		594.6		264.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	44.2	534.7	-38.7	432.6	-132.9	482.9	-168.1	374.4	99.2	188.5
2nd	74	-35.2	66.5	-64.9	83.7	-108.7	94.3	-108.5	43.3	42.8
3rd	-31.8	27.8	-57.9	43.6	-92.9	43.4	-82.5	24.1	-9.5	0
4th	-6.9	34.8	7.8	85.1	21.5	125.5	23.2	120.2	3.6	-8.6
5th	-35.8	-35.6	-68.3	-18.1	-91.8	-6.2	-80.6	2.7	-15.8	0.8
6th	-22.3	1.4	-2.8	-12.3	7.3	-27.5	2.4	-26	-16.1	-7.6
7th	8.7	-11.4	7.6	-1.3	7.6	11.6	-5.5	13.9	-5.1	2.7
8th	-3	-0.2	13.3	-12.2	11.3	-11.7	-7.8	-3.2	-9.2	0
9th	10.3	-8	8.9	-12.8	6	-4	-11.8	11.2	1.7	-1.7
10th	4.1	-17.8	-8.4	-14	0	-3.3	2.2	12.1	-0.7	-0.4
11th	12	-15	5.1	-42.2	3.8	-0.8	-3.3	30.3	-8.9	3.8
12th	16.2	8.6	19.7	4.8	14.6	1.5	-5.2	-2.5	0	-0.4
13th	-2.2	4	-5.3	5.1	1.5	-0.7	1.8	-4.3	-4.3	2.3
14th	1.4	0.2	-5.7	0.3	-3	2.6	-1.8	-1.9	1.3	5.7
15th	2.1	-0.6	0.8	-0.7	-5.3	-5.7	-1.8	2.1	7.5	-3
16th	-0.4	1.5	6.2	10	8.8	3.7	1	2.3	1.3	2.4
17th	2.5	-1.7	-1	1.1	-3.5	4.6	0.9	-0.6	-0.4	1
18th	-1.5	-0.9	1.3	-1.2	1.8	0.1	2.3	-2.2	-2.1	1.2
19th	4.3	-5.1	-2.7	2	2.7	10.1	-6.2	2.8	1.6	1.3
20th	2.3	-10.3	2.7	1.8	2.7	18.8	9.1	5.7	-2.3	-3.2

RUN 53   PT 6

V/OR = 0.227   ALFS,U = -5.00   CLRH/S = 0.079186   CTH/S = 0.079473
VKTS = 90.9   MTIP = 0.605   CXRH/S = 0.006748   CP/S = 0.004007

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	194.1		28.9		52.2		-67.4		4.2	
RMS	52		37.2		46.1		88.5		28.4	
1/2 P-P	110.7		97.1		91.5		156		66.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	38.7	38.7	30.9	-19.6	19.6	-46	33.5	-77.2	-13	-25.3
2nd	14.6	19.3	0.4	20.9	-5.4	13.9	-64.1	15.1	-15.6	7.6
3rd	-4.4	7.5	0.2	7.8	8.1	20.4	0.6	61.8	-6	11.8
4th	-3.2	-10.6	-3.1	-9.3	-15	-12.2	-0.2	14	7.8	6.8
5th	-1.4	5.4	3	7.1	10	5.4	-1.6	-10.4	3.5	-3.1
6th	-13.1	6	-6.9	6.4	-7.4	7.2	3	-2.2	-6.4	-4
7th	6.3	8.9	6.3	5.5	3.9	-2.3	-1.6	-2.7	-3.1	1.1
8th	-19.8	20.1	-10	17.2	-3.9	10.6	-5.4	2.1	1.3	5.1
9th	-4	8.2	-2	5.5	-2.2	-3.7	-1.5	3.3	4.4	-0.1
10th	13.2	2.4	8.6	-0.2	4.6	3.5	5.3	-1.4	-3.9	-0.3
11th	-3.8	15.1	1.5	8	-5.1	-1.4	0.9	2.4	-3.9	-2.6
12th	5.6	-3.8	1.9	-2.7	4.2	-2.8	1.3	-1.1	-0.1	1.9
13th	5	0.3	2.7	-1.1	-2.6	4.8	0.3	-0.4	2.2	0.4
14th	-3.2	4	-0.5	1.3	-1.7	-5.9	0.3	-1.9	-0.8	1.3
15th	-4.7	-2.8	-2.8	0.6	5.9	1.9	2.9	0.5	-4.2	-0.4
16th	3	0.1	0.9	-0.6	-4.6	1.5	-0.6	0.9	0	-0.6
17th	-1	2.4	0.2	0.1	1	-3.2	0.2	0	0.9	-0.7
18th	-1.1	1.7	0.2	-0.1	0.7	0.7	0.3	0.1	1.2	-1.2
19th	2.2	2.7	0.2	-0.3	-1.9	-1.5	0.1	0.6	-1.6	-1.2
20th	-4.1	1.7	0.3	-0.1	2.4	-1.7	-0.4	0.8	2.1	-2.1

RUN 53   PT 6

V/OR = 0.227	ALFS,U = -5.00	CLRH/S = 0.079186	CTH/S = 0.079473
VKTS = 90.9	MTIP = 0.605	CXRH/S = 0.006748	CP/S = 0.004007

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	44.6		726.1		323.3		1216.5		-94.1	
RMS	381.3		313.7		363.7		304.5		157.5	
1/2 P-P	570.9		536.9		635		559.6		260.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	32.2	529	-33.3	418	-107.2	459	-139.9	352.4	85.7	193.7
2nd	61.4	-22.2	54	-48.8	74.1	-82.4	87	-83.8	43.7	37.6
3rd	-29.7	7.6	-55.2	26	-82.9	19.8	-77.2	9.4	-5.8	-11.9
4th	-8.2	34.9	6.4	86.9	19.2	130.1	24.4	120.1	-4.2	-17.7
5th	-34.7	-26	-35.4	16.3	-42.1	44.2	-25.1	61.4	-18.5	-1.3
6th	-23.9	-1.2	-6.5	-3.8	5.4	-6.3	2.5	-10.1	-16.9	-0.1
7th	-7.8	-10.3	-4.9	-6.2	4.7	5.8	15.8	9.4	-4.2	6.1
8th	-5	-9.2	8.7	-22.9	9.3	-12.4	-6	11.5	-7.2	1.3
9th	6.4	3.9	6.1	-4.5	3.2	-1.3	-9.5	0.6	3.3	-0.1
10th	8.6	-9.6	-5.6	-5.3	2.3	-0.3	5.1	3	0.4	-0.9
11th	3	2	2.4	-12.3	0.6	3.3	0	7.6	-7.3	1
12th	23.6	21	30.5	19.4	20.5	7.3	-10.6	-11.4	1.8	0
13th	-2.1	0.3	-7.4	2.1	-0.2	-0.3	2.9	-3.3	-1.6	1.5
14th	0.6	-1.1	-3	-3.4	-5.8	5.1	-0.4	-1.3	-1.8	3.8
15th	1.6	-1.7	3	-0.3	-7.1	0.1	-0.6	2	8.2	-3.3
16th	-1	0.7	1.5	7.4	6.2	4.8	0.9	1.3	0.1	-1.4
17th	1.6	-2.1	-0.8	0.4	-1.7	6.1	0.7	-1.3	-1.9	1.8
18th	0.2	-3.2	-0.2	-0.5	-0.9	4.3	1.5	-1.2	-3.1	0.5
19th	3.4	-2.7	-2.3	1	-1.7	5	-5	0.5	-0.4	-0.9
20th	-1.7	-11.4	3.5	1.1	8	17	12.4	4.8	-2.5	-2.3

D-610

RUN 53   PT 7

V/OR = 0.200	ALFS,U = -5.00	CLRH/S = 0.080086	CTH/S = 0.080382	
VKTS = 80.0	MTIP = 0.605	CXRH/S = 0.006893	CP/S = 0.003974	

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	196.7		31.3		47.6		-61.8		4.7	
RMS	51.3		33.4		43.6		80.6		29.6	
1/2 P-P	110.2		88.6		85		159.6		76.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	33	40.1	24	-16.7	19.5	-48.6	13.2	-71	-12.1	-23
2nd	15.4	15.1	0.2	13.3	-8.7	15.2	-58.6	12.4	-18.6	5.5
3rd	-9.3	7	-6.7	9	-6.3	14.9	-8.1	60.3	-6.7	12
4th	-9.6	-15.5	-9.3	-11.2	-9.7	-8.5	-0.3	10.9	11.3	5.8
5th	-0.7	11.2	3.6	12.4	2.3	13.1	-0.6	-14	1.3	-6
6th	-16.7	6.1	-9.2	6.6	-3	3.7	4.8	-5.7	-9.7	-2.7
7th	11.8	4	9.2	0.9	5.2	-0.1	-1.9	-2.2	-0.2	1.3
8th	-11	24	-3.8	18.2	-1.2	7	-4.4	3.5	6.4	4.7
9th	-1.2	3.6	-0.2	1	1.2	-1.4	-0.5	0.3	3.9	-1.3
10th	15	-2.6	7.9	-3.8	-0.3	0.7	5.4	-4.2	-6.7	2.1
11th	6	3.4	4.4	0.2	-0.5	-0.1	3.2	-0.9	-5.3	1.6
12th	7.1	-3.2	2.4	-2.6	-0.7	0.9	1	-0.1	0.8	0.3
13th	4.5	0.8	2.1	-0.3	-0.9	0.8	-0.1	0.5	2.1	-1.6
14th	-5	2.5	-0.7	1	2.3	-1.2	2.3	-1.1	-2.5	0.5
15th	-5.1	-5.5	-3.1	-0.4	2.9	2.2	4	2.3	-4.7	-0.8
16th	4.7	1.4	1.3	-1.1	-2.2	0.1	-1.8	1.7	1.2	-0.6
17th	-0.6	3.6	0.8	0.2	0.7	-1.4	-0.7	-0.6	1.9	-0.8
18th	-2	1.4	0.3	0.3	1.3	-0.4	0.1	-0.6	1.9	-0.7
19th	2.4	0.3	0.1	-0.1	-1.3	0.1	0	0.7	-0.6	1
20th	-0.3	3.3	0.4	-0.4	0.7	-1.3	-0.5	0.7	0.1	-0.9

D-611

RUN 53   PT 7

V/OR = 0.200 ALFS,U = -5.00 CLRH/S = 0.080086 CTH/S = 0.080382
VKTS = 80.0 MTIP = 0.605 CXRH/S = 0.006893 CP/S = 0.003974

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	39		717.3		311.5		1217.6		-88.9	
RMS	377.9		305.8		344.1		282.3		159.1	
1/2 P-P	586.7		542.8		638.6		559.4		281.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	40.2	524	-10.8	409.4	-60.2	439.8	-90.7	323.9	76.3	197.1
2nd	63	-11.2	55.1	-35.5	78.5	-58.5	92.3	-61.9	50	36.1
3rd	-12.4	-24.3	-42.9	-8.6	-58.4	-24.4	-61.7	-33.8	-1.3	-16.9
4th	-8.7	32.7	1.6	87.5	2.4	127.4	5	120.2	-9.9	-25.9
5th	-36.4	-24.7	-36.7	41.9	-42.6	81.7	-29.9	109.9	-25	3.1
6th	-20.1	-6.5	-1	-0.7	7.6	5	8.2	3.2	-15.2	3.7
7th	-6.3	-7.8	-7.3	-1.3	-4.3	7.2	14.4	5.2	-0.8	5.7
8th	0.2	-9.6	6.6	-21.7	5.3	-12.4	-4.7	10.7	-1.7	1
9th	9.7	13	8.4	4.5	2.6	1.3	-7.5	-10.5	4	0.4
10th	15.1	-1.1	1.5	3.1	3.1	1.1	4.4	-5.3	0.2	1.9
11th	-3	7.9	-6.3	6.2	-1.3	2.2	6.5	-6.5	-5.2	-0.2
12th	17.6	23.6	22.1	24.4	16.2	9.2	-8.1	-12.5	3	2.2
13th	0.3	-1.5	-2.6	0.9	0.9	-0.7	1.8	0	1	-0.1
14th	0.3	-1.4	1.3	-6	-6.5	-0.7	3	0.9	-5	-2
15th	2.5	-1.7	9.1	2.8	-4.4	-1.8	0.4	3.8	10.3	-2.4
16th	-0.2	0.9	-5.5	1.9	-1	-1.9	-2.1	-0.3	0.9	0.9
17th	1.2	-1.7	0.9	-0.3	0	5.3	2.2	-1.8	-2.8	0.3
18th	2.5	-3	-2	-1	-7.2	4.3	1.3	0.2	-2.7	-0.4
19th	1.9	-1	-1.3	0.8	-1.8	-0.5	-2.6	3.5	0.4	-0.3
20th	-3.8	-9.9	3.1	1	14.9	11.3	9.5	3.7	-1.1	-1.7

D-612

RUN 53 PT 8

V/OR = 0.176 ALFS,U = -5.00 CLRH/S = 0.079401 CTH/S = 0.079678
VKTS = 70.7 MTIP = 0.606 CXRH/S = 0.006642 CP/S = 0.003865

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	196		28.9		44.5		-56.9		5.3	
RMS	55.8		34.1		40.1		78.1		31.6	
1/2 P-P	123.2		89.5		78.1		169.9		80.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	23.2	47.2	14.1	-9	10.9	-39.1	-5.5	-63.4	-11.4	-21.3
2nd	15.5	12.1	-0.5	8.4	-10.3	10	-52	10.3	-21.5	3.6
3rd	-13	6.3	-12.4	12.8	-14.9	19.5	-19	63.3	-6.4	13.9
4th	-14	-24.2	-14.3	-16.2	-12.8	-9.5	2.9	15.7	14.9	6.3
5th	-2.1	13.9	2.9	16.6	0.8	17.7	3.4	-19.9	0.7	-8.1
6th	-21.6	0.4	-14.3	4.3	-6.1	4.2	6	-8.1	-12.1	-1.9
7th	11.4	1	7.8	-1.6	4	0.6	-2.2	0.6	-0.1	1.2
8th	-14.6	24.2	-6.7	19.4	-2.6	7.1	-4.3	5.2	5.8	4
9th	-4.9	-0.4	-3.1	-0.6	0.3	-0.1	-1.1	-1.1	3	-1.6
10th	13.2	-6	6	-5.7	-0.6	1.3	5.2	-4.6	-7.2	2.9
11th	8.7	13.2	7.3	5.1	-0.8	-1.1	5.6	3.5	-6.8	-0.6
12th	2.9	-3.8	0.9	-2.4	0	1.3	0.7	0.4	1	-0.6
13th	3.9	-1.2	1.5	-1.2	-0.6	1.5	0.1	-0.4	1.8	-2.2
14th	-5.4	0	-0.3	0.2	2.6	-0.2	2.8	-0.6	-2.4	0.4
15th	-7.4	-9.5	-3.9	-1.1	4.1	3.1	4.7	3.5	-4.9	-1.1
16th	4.2	-1.7	0.7	-1.6	-1.8	1.4	-1.9	2.6	1.1	-1.1
17th	-1.3	3.4	1	0	0.6	-1.8	-1.2	-1	1.2	-0.8
18th	-4.3	0.9	0.3	0.4	1.9	-0.6	0.1	-0.7	2.1	-1
19th	-0.1	-2.1	0.1	-0.1	0.3	0.4	-0.1	0.4	1.2	1.7
20th	0	3.9	0.3	-0.5	-0.5	-1	-0.4	0.5	-0.9	-0.9

D-613

RUN 53   PT 8

V/OR = 0.176   ALFS,U = -5.00   CLRH/S = 0.079401   CTH/S = 0.079678
VKTS = 70.7   MTIP = 0.606   CXRH/S = 0.006642   CP/S = 0.003865

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	30.6		714.5		312.8		1218.1		-83.4	
RMS	362.6		294.1		333.3		283.7		157.9	
1/2 P-P	592.1		565.6		661.5		595.9		299.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	53.1	497.9	16.2	378.8	-9	401.5	-37.2	288.5	63.8	195.7
2nd	55.2	-1.1	49.4	-24.1	77.5	-48	92.6	-52.5	52.1	34.6
3rd	1.1	-70.2	-36.9	-55.6	-48.4	-74.8	-54.3	-81.7	5.4	-25.2
4th	-7.8	35.4	1.5	100.9	2.1	138.7	-4.5	139.5	-13.3	-40
5th	-39.7	-19.5	-44.4	82.2	-52.2	144.4	-37	180.5	-26.7	0.9
6th	-13.3	-10.8	6.5	9.3	9.8	22.3	6.2	23.4	-12.6	5.4
7th	-0.8	-6	-4.8	2.5	-2.7	5.9	6.2	5.3	-0.9	4.7
8th	6.7	-11.2	12	-23.8	8.9	-12.7	-3.7	12.3	-0.2	0.1
9th	10.2	10.9	13.5	5	4.1	0.6	-5.6	-9.6	2.9	-0.5
10th	19.6	7.6	7.1	10.4	5	1	0.1	-9.6	-0.4	1.5
11th	-5	-6.6	-17	-13.4	-3.8	-2.3	12.6	6.8	-4.8	1.4
12th	0	17.6	2.1	22.9	-0.5	7.2	0.2	-12.3	1.7	0.4
13th	5.6	-2.7	3.6	-1.3	4.3	-4.8	-0.1	0.6	3.9	-0.2
14th	1	-1	7.3	-4.4	-1.9	-2.5	3.3	2.6	-5.9	-3
15th	2.3	-1.7	9.7	3.7	-8.6	-5	1.7	3.8	6.4	-5.6
16th	-0.2	0	-8.2	-4	-5.8	-13.6	-2.3	-2.1	0.6	2.8
17th	-0.4	-1.1	0.4	-0.4	2.2	4.4	2.5	-2.1	-4.9	0.6
18th	1.9	-0.8	1.2	-2.1	-4.7	2.2	3.7	-1.6	-2.7	-0.8
19th	-2.2	0.3	1	0.2	1.1	-5.6	3.5	1.6	1	-2.3
20th	-0.3	-1	-1.1	-1.3	3.7	2.5	-1.1	-3.7	-1.4	1.5

D-614

RUN 53   PT 9

V/OR = 0.150   ALFS,U = -5.00   CLRH/S = 0.079238   CTH/S = 0.079517
VKTS = 60.2   MTIP = 0.606   CXRH/S = 0.006650   CP/S = 0.003897

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	197.4		29.8		46.3		-51.3		8.1	
RMS	63.1		43.2		44.2		79.1		35.4	
1/2 P-P	138.8		114.4		86.8		170.5		89.8	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	18	44.9	7.4	-5.7	-1.3	-32.3	-23.1	-53.9	-11.3	-20
2nd	17.8	8.8	1.1	2.7	-8.5	1.8	-47	5.7	-26.9	2.5
3rd	-18.9	8.3	-20.3	18.5	-23.1	27.2	-27.3	67.1	-5.3	15.3
4th	-18.9	-27.7	-19.3	-16.7	-20.4	-10.4	9.5	16.2	20.3	4.7
5th	-2.8	18	2.9	23	3	24	2.3	-28.8	-0.3	-11
6th	-25.8	-1.6	-19.2	4.1	-12.1	7	8.1	-8.1	-14.4	0.2
7th	9.2	-2.3	6.3	-3	2.8	-2	-0.8	3.6	-0.7	1.9
8th	-20.3	32.3	-9.7	26.7	-3.7	10.6	-5	6	5	4.6
9th	-6.9	-1.5	-4.2	0.2	-1.5	1.2	-2.1	-1	3.4	-2.8
10th	14.2	-6.9	6.6	-6.1	0.5	-0.3	5.9	-3.3	-6.7	2.9
11th	6.1	31.5	9.5	15.1	-1.6	-2.8	6.3	8.6	-7	-4
12th	0.4	-8.4	-0.3	-3.9	1	1.8	-0.6	-1.3	0.5	0.6
13th	3	-5.1	0.6	-2.2	-1	2.2	0	0.4	1.7	-3.1
14th	-2.6	-1.5	0.5	0.1	0.5	0.4	1.6	0.3	-0.3	-1.1
15th	-10.2	-6.8	-3.2	0.1	4.8	0.5	4.3	0.8	-3.8	0.7
16th	2	-5	-0.5	-1.4	-0.8	2.5	-0.6	2.5	0.1	-0.4
17th	0.5	0.2	1.2	-0.4	0.1	-0.3	-1.1	0.1	0.6	-1
18th	-2.5	0.1	0.2	0.2	0.7	-0.6	0.1	-0.6	1	-1.7
19th	-2.1	-1	0	0.3	0.9	-0.3	0.1	0	1.8	-0.3
20th	1.3	1.2	-0.1	0.1	-0.7	-0.8	0.3	0.5	-0.9	-0.2

D-615

RUN 53　　PT 9

V/OR = 0.150　　ALFS,U = -5.00　　CLRH/S = 0.079238　　CTH/S = 0.079517
VKTS = 60.2　　MTIP = 0.606　　CXRH/S = 0.006650　　CP/S = 0.003897

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	31.4		712.2		312.8		1210.3		-83.5	
RMS	359.2		296.3		333.2		294.4		158.3	
1/2 P-P	626.4		642.7		716.4		640.3		305.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	66.2	482.9	41.5	360.4	38.8	367.3	26.1	257	58.5	192.3
2nd	55.9	8.5	49	-11	79.1	-25	83.4	-44.5	60.1	31.9
3rd	19.7	-108.4	-18.7	-97.9	-23.9	-126.8	-38.8	-116.4	4	-28.9
4th	-2.3	34.3	5.8	102.6	13.6	140.5	-4.6	142	-20.1	-52.8
5th	-44.2	-16.5	-49.1	109.2	-62.6	186.2	-46.2	234.4	-28.2	3.2
6th	-5	-17.1	10.1	15.1	14.9	33.1	-4.4	47.7	-8	7.3
7th	-3.5	-8.6	-6.7	4.4	-1.4	12.1	7	10.5	-0.1	5.6
8th	10.3	-9.1	16.8	-28.1	11.3	-17	-6	20.8	1.6	1.7
9th	7.9	6.3	13	3.3	7.9	-0.6	-2.4	-0.7	3.2	-4.9
10th	12.7	16.5	2.1	16.6	5.6	2.3	5.1	-14.2	0.2	0.9
11th	-6.3	-31	-27.6	-50.6	-6.3	-9.9	17.7	31.1	-6.1	4.1
12th	-13.7	7.9	-16.3	18.6	-13.2	2.2	5.8	-8.5	-1	-1.2
13th	8.9	-3.6	9.5	-2.8	8.9	-8.5	-2.9	2.1	5.2	-2.2
14th	0.9	-0.9	6.6	-1.2	4.2	-2	2.1	1.8	-0.9	-5.1
15th	1	-1.9	10.4	-4.4	-6.8	-7.5	3.5	2.3	2.2	-6.7
16th	0.6	-0.8	-4.6	-6.4	-4.4	-17	-2.2	-1.1	2	1.5
17th	-1.7	0.4	0.9	0.9	5	-0.9	2	-1.1	-3.3	-1.3
18th	2.3	1.7	-0.6	-1.7	-4.8	0.8	0.4	-1.9	-1	-0.2
19th	0.6	0.8	0.8	-1	-3	-0.4	1.9	-0.6	-0.2	-1.2
20th	1.9	12.7	-3.7	-3.5	-10.7	-13.8	-11.3	-12.6	2.1	0.3

D-616

RUN 53   PT 10

V/OR = 0.125   ALFS,U = -5.00   CLRH/S = 0.079648   CTH/S = 0.079910
VKTS = 49.9   MTIP = 0.604   CXRH/S = 0.006484   CP/S = 0.004019

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	197.9		29.6		45.4		-44.3		14.4	
RMS	69.8		50.9		50.8		85.8		40.9	
1/2 P-P	151		129.7		109.9		171.5		100	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	9	50.9	-2.8	1.2	-10.9	-24.1	-39.4	-43.9	-12.1	-18.2
2nd	19	6.4	1.2	-0.8	-7.5	-2.4	-47.2	-1.3	-35.2	1.8
3rd	-27.2	14.6	-28.5	27.7	-33.7	35.7	-34.9	76.1	-6.3	17.2
4th	-26.7	-32.7	-26.9	-18.5	-24.4	-12.1	15.1	16.3	25.7	2.4
5th	3.4	18.4	7	24.4	5.9	27.5	-2	-33.4	0.5	-13.6
6th	-30.5	-3.6	-24.1	4.4	-15.7	6.9	11.6	-6.7	-14.7	1.9
7th	0	-9.7	-1.7	-7.1	-1.7	-2.7	0.5	2.4	-4.2	2.9
8th	-15.7	31.6	-6.8	25.4	-3	9.6	-4.7	4.9	3.9	4.3
9th	-10.3	0.4	-6.1	2	-1.2	0.9	-2.6	1.4	4.2	-4.5
10th	7.4	-6.3	3.1	-4.3	0.1	0	3.1	-2.8	-3.1	1.4
11th	7	38.6	10.9	18.4	-0.6	-4	6.6	9.1	-7.3	-4.9
12th	-4.7	-1.6	-1.1	-0.1	2.3	0.4	0.5	0	-0.8	1.1
13th	1.8	-2.4	0.7	-0.4	-0.8	1.4	0.3	0.9	0.7	-2.7
14th	1.6	-1.6	1.4	-0.5	-1.1	0.4	-0.7	0.5	1.7	-2
15th	-4.6	-5.7	-1.3	-0.8	2.9	0.7	2.2	1.4	-1.5	-0.9
16th	-0.7	-3.6	-1.4	-0.5	1	1	1.3	1.4	-1.6	-0.3
17th	0.7	-0.8	0.5	0	-0.3	0.3	-0.5	0.3	-0.3	-0.3
18th	-1.6	-0.4	-0.3	0	0.7	0.2	0.4	0.2	1	-0.5
19th	-0.7	0.9	-0.3	0.1	-0.2	-1	0.4	-0.1	0.4	-0.2
20th	-5	-1	-0.4	0.1	2.7	-1.5	-0.2	0.1	2.2	-0.8

RUN 53   PT 10

V/OR = 0.125   ALFS,U = -5.00   CLRH/S = 0.079648   CTH/S = 0.079910
VKTS = 49.9   MTIP = 0.604   CXRH/S = 0.006484   CP/S = 0.004019

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	32.6		712.8		310.1		1207		-88.9	
RMS	355.7		304		350.2		322.3		157.9	
1/2 P-P	672.4		699.2		747.5		667.1		315.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	70.4	464.1	63.9	335.9	89.5	332.2	76.4	220	49	188.2
2nd	57.1	14.2	52.7	-4.3	80.5	-14.1	84.1	-29.4	67.3	31.4
3rd	26.8	-145.1	-16.2	-140.6	-16.1	-180.8	-40.2	-160.9	6.1	-28.9
4th	5.5	34.7	14.7	110.3	16.9	152.6	-8.4	153.2	-27.1	-63.5
5th	-53.7	-15.8	-74.8	132.8	-98.8	220.8	-81.2	281.4	-24.4	4.1
6th	4.8	-22	13	18.1	10.8	44.7	-19.1	62	-5.7	8.4
7th	0.5	-12.5	-0.1	10.3	0.7	22.1	0.6	20.5	-0.5	5.1
8th	11.3	-5.1	16.4	-23.8	14.8	-13.9	1	22.1	5.6	3
9th	10.6	1.8	17.5	-2.7	10.3	-2.9	-3.9	2.7	3	-5.6
10th	4.5	20.1	1.3	18	4.1	2.1	7.4	-15.8	0.9	-3.7
11th	-1.6	-49.5	-30.5	-73.8	-5.6	-15.7	20.1	46.1	-4.4	6.2
12th	-8	-12.9	-14.9	-14.4	-14.4	-10.5	4.5	2.8	-4.5	0.7
13th	8.9	0.9	10.9	-0.7	9.7	-2.4	-3.2	0.6	5.6	-3.5
14th	0.6	-0.3	5.5	4.4	9.1	1.7	0	0.9	2.6	-1.3
15th	0.4	-1.6	5.7	-2.8	-2.7	-7.5	2.3	1.7	-1.1	-3.4
16th	1.1	-1.7	-0.9	-8.8	-4.2	-15	-1.3	-2.8	5.4	0.4
17th	-1.1	1.4	1.3	0.5	3.1	-3	0.5	-0.3	-0.9	-4.2
18th	0.7	3.5	0	-0.7	-3	-1	0.2	-1.2	-0.2	-0.7
19th	1.5	0.7	-0.9	-1	-3.4	1.3	-2.2	-1.1	1.5	1.8
20th	-3.7	19.1	-0.6	-8	-16.4	-24.4	-1.1	-22.6	1	0.9

D-618

RUN 53   PT 12

V/OR = 0.096   ALFS,U = -5.00   CLRH/S = 0.078909   CTH/S = 0.079179
VKTS = 38.5   MTIP = 0.605   CXRH/S = 0.006540   CP/S = 0.004325

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	195.6		29.2		46.8		-21.3		29.8	
RMS	72.8		56.3		54.5		90		46.1	
1/2 P-P	170.7		147		117.5		178.6		97.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	0.8	51.2	-12.6	5.5	-20.9	-15.3	-65.1	-35.4	-14	-14.6
2nd	18.6	4.7	2.9	-4.8	-3.1	-7.3	-50.2	-10.3	-46.5	0.4
3rd	-35.3	14.6	-37	29.7	-41.5	38	-39.3	70.7	-12.2	13.5
4th	-31.3	-32.1	-30.2	-17.4	-26.3	-11.2	15.3	12.1	27.1	-0.1
5th	16.8	17.9	16.2	20.8	12.8	23.9	-8.8	-25.6	8.2	-9.8
6th	-27.2	-5.2	-22.9	1.9	-15.3	4.1	11.8	-5.4	-7.2	3.4
7th	-7.1	-30.6	-10.5	-21.5	-6.7	-9.2	4.6	0.3	-12.4	-4.2
8th	-3.8	21.4	-0.4	16.3	-0.4	6.6	-0.2	5.4	-3.2	1.5
9th	-14.9	-5.7	-11.2	-1.4	-2.8	0.2	-6.4	-1.7	5.6	-1.4
10th	-4.2	-5.2	-4.4	-1.8	-0.6	1.3	-2.4	-3	6.6	-1.6
11th	-22	28.7	-6.6	18.9	2.5	-2.9	-2	11.1	1.7	-7.5
12th	-9.3	-1.8	-3	1	2.9	0	-0.2	1.1	-4	-0.1
13th	-1.5	1.8	-0.2	2.1	0.3	-0.5	-0.2	0.4	-0.9	0.1
14th	2.4	-1.4	1.1	0.7	-0.9	1	-0.3	1.3	2.8	-1.2
15th	5.7	1.5	2	-0.9	-2.6	-1.1	-2.6	0.2	3.6	-0.9
16th	-.4	5.6	-0.2	2	1	-3.5	0.1	-3.3	-0.2	1.7
17th	-1.2	-1.2	-0.5	0.1	0.1	-0.1	0.8	0.1	-0.3	0.3
18th	3.7	-2.1	0.6	-0.6	-1.3	2	-0.9	1.3	-0.8	1.4
19th	3.5	0.7	0.6	-0.2	-2.3	0.1	-0.9	0.3	-2.3	0.9
20th	0.6	-6.2	-0.1	0.5	1.9	2.6	-0.1	-0.9	1.3	3.1

RUN 53   PT 12

V/OR = 0.096   ALFS,U = -5.00   CLRH/S = 0.078909   CTH/S = 0.079179
VKTS = 38.5   MTIP = 0.605   CXRH/S = 0.006540   CP/S = 0.004325

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	35.4		712.8		301.2		1185.1		-107.9	
RMS	350.6		300.5		345.1		316.9		155.1	
1/2 P-P	677.7		706.5		742.9		640.1		299.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	52.3	454.8	72.2	322.6	126.4	302.2	135.9	191.6	37.1	183.3
2nd	43.7	22.7	41.5	8.2	62.7	5.4	60.8	-5.5	74	32.9
3rd	28.4	-162.6	-12.5	-166.8	-10.4	-213.4	-34.5	-187.3	5.3	-28.2
4th	-6.9	25.5	-15.9	92.1	-27.8	125	-49.9	132.1	-33.2	-62.5
5th	-51.2	-10.7	-93.5	123.8	-134.6	205.2	-112.6	255.1	-13.4	19.2
6th	13.4	-21.6	8.4	11.6	-1.5	35.4	-30	49.4	0.9	6.6
7th	10.8	0	3.3	27.9	-11.2	33.7	-28.4	8	-1.6	0.1
8th	9.4	0.2	10.8	-9.3	12.5	0.6	10	20.2	2.4	2.6
9th	15.2	6.4	26	2	14.3	0.3	-8.3	-2.1	1.5	-3.1
10th	-2.2	20.4	5.5	16.7	3.6	3.3	-0.8	-13.2	7.5	-2.2
11th	29	-39.7	24.4	-69.5	3.2	-13.2	-17.3	43.2	-1.6	1.8
12th	10.2	-6.4	14.1	-13	0.4	-7.3	-6	5.3	-7.1	-3.3
13th	-0.2	9.2	4.4	13.8	2.3	13.6	-0.5	-2.9	1.2	-1.5
14th	1.7	-0.5	3	7	6.4	5.2	-0.9	1.5	5.8	-6.7
15th	0.9	0	-2	2.5	8.6	1.8	-1.3	-0.9	0.1	5.3
16th	1.7	-1.3	8.6	-13.6	8.8	-1.5	3.8	-4.4	1.1	0.2
17th	-0.5	0.2	2.1	0.5	1.2	0.6	0.4	1.1	2.6	0.9
18th	-3.5	2.2	-1.1	2.3	5.7	-6.3	-1.2	2.4	-0.4	-1.7
19th	-2.9	-0.8	-2.8	-0.2	6.1	-3.8	-2.5	0.4	-0.2	-0.4
20th	-20.1	1.7	7.3	-3	22.6	-26	22.5	-6.5	0.7	-3

D-620

RUN 53   PT 13

V/OR = 0.091   ALFS,U = -5.00   CLRH/S = 0.079507   CTH/S = 0.079765
VKTS = 36.6   MTIP = 0.604   CXRH/S = 0.006437   CP/S = 0.004408

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	198.7		31.2		48.5		-19.1		31.1	
RMS	74.5		56.6		54.7		91.5		46.6	
1/2 P-P	171.2		147.2		118.6		181.4		97.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	1.6	54.4	-12.6	6.9	-20.3	-14	-67.1	-35.9	-13.7	-14.8
2nd	19.2	5	3.1	-4.7	-3.3	-7.1	-51.7	-11.7	-47	-0.2
3rd	-36.3	15.1	-38.2	30.3	-43	38.3	-41	70.6	-13.7	13.2
4th	-31.8	-32.5	-30.8	-17.6	-26.9	-11.8	15.8	12.3	27	0.4
5th	17.9	15	16.5	18	13.4	21.7	-9.1	-23.5	9.2	-9.1
6th	-25.6	-5.8	-21.7	1.2	-14.4	3.7	11.7	-5.3	-6.3	3
7th	-7.1	-31.7	-10.5	-22.3	-6.8	-9.4	5	0.3	-13	-4.4
8th	-4.3	20.7	-1	15.7	-1.1	6.6	-0.3	5.4	-4.1	1.7
9th	-14.9	-6.2	-11.3	-1.2	-2.5	0	-6.5	-1.9	5.4	-1.1
10th	-4.6	-5.5	-4.9	-1.7	-0.3	1.9	-2.6	-2.8	7	1.3
11th	-22.7	29	-6.7	19.1	2.8	-2.1	-2.2	11.3	2	-7.7
12th	-9.9	-1.6	-3.1	1.3	3	0.4	-0.2	1.1	-4	-0.1
13th	-1.7	1.1	-0.3	1.9	0.2	-0.3	-0.3	0.4	-1.1	0.1
14th	3.6	-2.2	1.2	0.5	-1	0.9	-0.6	1.7	2.9	-1.5
15th	5.4	2.3	2.1	-0.7	-2.1	-1.5	-2.7	-0.1	3.7	-0.6
16th	-5.3	4.4	-0.7	1.9	1.9	-2.9	0.9	-3	-0.5	1.7
17th	-1	-0.7	-0.3	0.1	0.2	-0.2	0.4	-0.1	-0.2	0.4
18th	3.9	-1.6	0.7	-0.6	-2.3	2.1	-1.1	1	-1.2	1.2
19th	3.3	0.1	0.6	-0.1	-2.1	0	-0.8	0.2	-2.3	1.1
20th	1.9	-5.9	-0.2	0.3	1.2	3.2	0.1	-0.8	0.8	3.4

D-621

RUN 53   PT 13

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
MEAN	37.7		711.1		298.1		1179.4		-110.4	
RMS	351.2		302.6		350.1		322.6		157.3	
1/2 P-P	681.7		715.2		753.9		660.4		312.1	
HARMONIC										
1st	55.5	454.7	76.4	321	133.7	301.6	144.5	192.2	36.3	186.2
2nd	45.2	23.2	42.6	8	64.7	5.8	63	-4.6	75.2	33.3
3rd	30.7	-163.8	-12.1	-170.2	-9.8	-218.3	-34.8	-192.3	6.4	-25.5
4th	-7.9	24.2	-18.8	91.2	-32.9	123	-55	131.1	-35.3	-63.5
5th	-50.2	-7.3	-94.6	128.2	-137.3	210.7	-114.6	257.7	-11	19.5
6th	13.3	-21.5	5.7	12.1	-5.6	36.2	-33.3	49.7	1.9	7.3
7th	10.1	1.9	2.6	29.3	-11.5	33.4	-29.2	6.6	-1.9	-0.1
8th	9.9	0.1	11.5	-8.8	12.9	1.3	9.8	20.5	3.2	3.2
9th	13.7	6.8	25.1	3.4	14.5	0.8	-7.6	-1.9	1.9	-3.9
10th	-2.7	21.3	5.6	17.8	3.7	3.8	-1.3	-12.9	7.6	-3.9
11th	29.4	-39.6	25.2	-69.7	3.6	-13.4	-17.5	43.8	-1.4	0.5
12th	11.2	-7.9	15.8	-16.3	1	-8.2	-6.6	6.6	-8.2	-3.2
13th	-1.8	8.9	2.3	15	0	13.6	-0.3	-3.2	0	-3.2
14th	2	-0.2	3.9	7.3	7.8	3.7	-1.7	1.8	7.2	-7.5
15th	0.6	-0.2	-2.3	1.8	8.4	2.7	-0.8	-0.6	0.5	4.3
16th	1.7	-1.2	11	-14.1	8.6	-3.6	4.5	-4.1	1.7	1.2
17th	-0.5	0	1.7	0.2	1.2	1.1	0.2	0.9	1.1	1.7
18th	-3.6	2.2	-2	2.2	5.6	-5.2	-1.7	2.6	-1.1	-1.1
19th	-1.9	-0.7	-2.9	0.3	3.8	-3.3	-3	1.5	0.2	-0.8
20th	-21	0.5	7.2	-1.8	26.3	-25.2	22.6	-4.3	0.5	-1.9

RUN 53   PT 14

V/OR = 0.080	ALFS,U = -5.00	CLRH/S = 0.079481 CTH/S = 0.079733
VKTS = 32.2	MTIP = 0.606	CXRH/S = 0.006355 CP/S = 0.004581

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	198.7		31.4		49		-4		39.4	
RMS	68.4		51.6		51.9		91.3		48.1	
1/2 P-P	147.2		129.9		110.3		168.5		95.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-4.5	55.2	-17	8.3	-24.8	-13	-79	-30.8	-14.9	-12
2nd	16.6	4	2.5	-5.5	-1.6	-8.9	-52.6	-15.1	-49.8	-0.1
3rd	-35.8	14.2	-36.5	28.8	-39.4	37.4	-37.7	63.7	-17.5	11.4
4th	-32.3	-27.5	-30	-13.5	-27.1	-8.3	16.7	11	25.4	-1.4
5th	23.3	1.1	18.5	4.5	14.1	10.7	-12.6	-12.1	13.7	-6
6th	-21.9	-5.3	-18.9	1.2	-13.5	2.8	11.4	-6.4	-3.8	2.8
7th	-14.7	-30.9	-16.4	-20.2	-9.1	-8.7	6.6	0.6	-16.6	-3.4
8th	-0.4	14.3	0.9	10.8	-0.1	4.9	-0.3	3.9	-4.1	2.3
9th	-13.2	1.3	-9.3	3.1	-2.2	1.4	-4.8	-0.2	4.8	-2.2
10th	-7.4	-0.9	-5.2	0.7	-0.5	1	-2.8	-0.1	5.9	-1.5
11th	2.2	8.4	2.7	3.8	0	-1.1	1.7	2.2	-1.5	-0.5
12th	-5.4	1.6	-0.9	1.5	2.1	-1	0.4	-0.2	-2.2	1.8
13th	-4.6	-1.5	-2.3	1.4	1.6	0.2	0.1	1.2	-1.9	-0.6
14th	1.4	-3.5	-0.8	0	-0.3	1.1	-0.5	1.8	0.4	-2.4
15th	5.8	9.6	3.5	1.4	-3.5	-3.6	-4.3	-3	5.1	2.3
16th	-4.4	4.7	0.5	1.7	1.3	-2.8	0.4	-2.9	1.2	1.7
17th	-0.2	-0.7	-0.1	-0.4	0.2	0.1	0	0.4	-0.3	-0.4
18th	3.4	-2.8	0.5	-0.7	-1.1	2.4	-0.6	1.3	-0.5	1.9
19th	3.1	-1.9	0.4	-0.4	-1.4	1.8	-0.5	0.6	-1.2	2.5
20th	-3.3	-2.6	0.4	0.4	2.7	0.1	-0.8	-0.5	1.9	0.2

D-623

RUN 53   PT 14

V/OR = 0.080   ALFS,U = -5.00   CLRH/S = 0.079481   CTH/S = 0.079733
VKTS = 32.2   MTIP = 0.606   CXRH/S = 0.006355   CP/S = 0.004581

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	35.8		709		286.7		1169.6		-122.6	
RMS	347.1		298.5		352.2		324.5		155	
1/2 P-P	667.9		671.6		768		672.8		300.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	40.4	457	73.3	321.3	139	297.7	154.5	188.5	30	184.6
2nd	37.4	24.3	36.7	11.2	56.9	11	54.6	1.7	77.8	30.2
3rd	20.2	-154.8	-20.6	-161.1	-21.4	-207.5	-44.1	-181.2	4.5	-22.5
4th	-14.5	18.2	-31.9	79.5	-50.6	106.9	-70.7	116.5	-40	-57.3
5th	-45.6	11.1	-86.5	153.4	-126	244.3	-102.4	279.6	0.8	21.5
6th	12.9	-21.8	2.8	11.8	-8.5	35.4	-32.8	50.4	4	4.8
7th	12.6	4.5	9.7	28.1	-5.5	30.3	-32.5	5.2	-1.9	1.1
8th	9	-0.4	9.6	-6.6	12.6	0.5	11.9	13.7	2.8	3.4
9th	7.7	6.8	17.3	-1.2	10.2	-0.8	-5.2	2.2	2.3	-0.7
10th	-5	18.7	5.2	13.9	2.9	5.5	-1.9	-7.2	5.1	-1.3
11th	12.9	-19.4	1.8	-26.4	2.9	-6.5	0.8	15.4	1.1	3.2
12th	7.7	1	11.3	-5.7	1.6	-0.6	-4.5	1.2	-7.3	-0.3
13th	-3	6.7	-0.6	13.6	-6	10.5	-1.2	-2.7	1.4	-4.4
14th	2	-1.5	4.2	5.8	4.2	2.1	-2.5	2.1	9.9	-5.4
15th	-0.5	0.3	-11.1	-0.3	4.5	10	-0.6	-2.5	-4.4	5.6
16th	0.5	-0.2	10.5	-8	10.1	2.2	5.4	-3.9	-4	-0.3
17th	1	0	-0.3	0.5	-0.7	0.5	-0.2	0.9	0	2.1
18th	-3.6	0.9	-0.3	2.6	6.4	-6.3	0.9	3.3	-0.2	-0.2
19th	-3.4	-1.6	-1.2	2.7	5.5	-4.7	0.2	3.6	0.8	-0.5
20th	-9	-7	6.1	0	14.5	0.7	17.9	2.8	-1.4	-2.3

RUN 53   PT 15

V/OR = 0.070
VKTS = 28.3

ALFS,U = -5.00
MTIP = 0.606

CLRH/S = 0.079335
CXRH/S = 0.006225

CTH/S = 0.079576
CP/S = 0.004727

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	197.6		31.8		49.7		10.8		46.6	
RMS	69.5		50.2		48.3		91.5		48	
1/2 P-P	157.6		127		111		164.8		93.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-11.7	59.8	-21.7	11.2	-27.1	-11.1	-86.6	-26.8	-16.3	-9.4
2nd	12.8	5.4	1.2	-4.2	-1.4	-7.9	-56.2	-17.7	-50.3	-0.3
3rd	-35.1	9.6	-35	24.4	-37.2	31.8	-33.1	55.6	-19.9	9.8
4th	-28.9	-26	-27.4	-12.9	-25.2	-8.2	13.7	11.3	24	-1.6
5th	25.9	-6.2	19.3	-2.9	14	3.6	-13.4	-5.7	14.9	-4.4
6th	-21.9	-6.3	-19.2	0.3	-13.7	1.5	13.2	-5.5	-3.5	2.5
7th	-15.8	-28.4	-16.4	-18.5	-9.1	-8.7	5.3	1.8	-15.8	-2.5
8th	0.7	16.1	2.4	11.1	0.5	4.6	-0.1	3.1	-3.5	1.6
9th	-11.7	1.1	-7.6	2.3	-1.4	0.7	-3.8	0	3.5	-2.7
10th	-8.4	-7.4	-6.3	-3.2	-0.6	0.5	-4	-1.9	6.7	0.8
11th	4.6	6	3.5	1.9	-0.6	-0.8	2.2	0.5	-1.1	0.9
12th	-9.5	-5.1	-4.7	-0.5	2.6	0.3	-0.9	0.2	-1.8	0.9
13th	-2.7	-2.3	-2.1	0.6	0.4	0.6	-0.5	1.3	-1.9	-1.5
14th	1.6	4.9	0.4	1.8	-1.2	-1.8	-1.5	-1	2.3	0.7
15th	2.9	6	1.9	1.5	-1.8	-2.2	-2.2	-2	3.9	1.9
16th	-0.1	8.1	1.9	1.7	-1.4	-3.3	-2.2	-3.2	1.9	2.5
17th	-2.4	-1.3	-0.7	-0.1	1.1	0	0.9	0.2	-0.9	-0.1
18th	3.7	-3.6	-0.1	-0.7	-1.1	2.4	0	1.6	-0.6	1.2
19th	4.9	3.4	0.7	-0.5	-3.4	-0.4	-1	0.4	-2.7	-0.4
20th	-2.5	-5.2	-0.1	0.9	2.4	1.6	-0.3	-1.4	2.5	2.3

D-625

RUN 53   PT 15

V/OR = 0.070   ALFS,U = -5.00   CLRH/S = 0.079335   CTH/S = 0.079576
VKTS = 28.3   MTIP = 0.606   CXRH/S = 0.006225   CP/S = 0.004727

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	30.6		701.4		270.9		1147.8		-134.5	
RMS	342.1		291.6		342.8		312.9		151.4	
1/2 P-P	664.2		666.2		771.3		655.8		295.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	23.4	454.4	69	317.8	140	294.3	162.9	187.6	20.4	184.4
2nd	25.9	24.2	27.9	9.2	46.1	11.8	46	3.1	73	30.2
3rd	17.4	-148.7	-19.7	-155.2	-21.3	-197.2	-42.3	-170.7	0.6	-22.3
4th	-15.3	12.3	-41	64.2	-63	86.9	-82	93.7	-33.1	-52.8
5th	-40.4	18.1	-85.9	151.9	-125.9	238.2	-105.4	263.2	7	21.7
6th	16.4	-20.8	4.1	6.8	-7.1	27.2	-33	39.9	6.5	0.1
7th	10.2	6.5	9.4	24.3	-2.9	25.4	-29.4	0.3	-3.1	3
8th	4	0.9	4.8	-7.3	10.1	0.2	13.3	13.1	2.3	3.5
9th	1.3	6.6	12	0.9	7.8	1.4	-3	1.9	-0.4	-1.2
10th	-5	18.7	7.6	18.6	2.4	6.5	-4.2	-11.9	2.7	-0.9
11th	7.5	-10.7	-1.8	-15.3	2.5	-3.7	2.8	7.3	-0.1	4.4
12th	4.4	11.3	15.4	12.1	-0.8	4.8	-7.8	-5.8	-3.1	-2
13th	-6	4.8	-7.2	12.5	-9	7.8	0.2	-2.1	0.5	-3.3
14th	1.4	0.5	1.1	1.5	5.5	7.9	-1.9	0.2	10.1	3.2
15th	0.8	1.9	-9.1	-1.7	-1.4	5	-1.2	-0.6	-0.5	-1.1
16th	-0.9	0.3	4	-3.8	12.6	8.8	2.6	-3	-3.6	0.5
17th	1	1.3	1.1	0.2	-4.9	-0.3	0.4	0.8	0.3	0.9
18th	-1.7	2.5	0.2	2.6	3	-8.1	-1.9	3.2	1.6	-1.1
19th	-2.7	-4.7	-1.2	1.4	14.2	4.3	-2.1	1.9	-1.1	2.6
20th	3.6	-1.9	2.4	1.4	-7.6	3	4.4	8.1	-0.4	-3.9

D-626

RUN 53   PT 16

V/OR = 0.060   ALFS,U = -5.00   CLRH/S = 0.079439   CTH/S = 0.079684
VKTS = 24.0   MTIP = 0.607   CXRH/S = 0.006279   CP/S = 0.004931

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	197.9		33.4		53		29.8		55.9	
RMS	66.2		43		40		89.3		47.9	
1/2 P-P	118.9		104.2		89		158.4		95.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-14.7	64.3	-23.4	14.4	-27.7	-9.6	-92.5	-24.3	-17	-5.4
2nd	10.3	7.3	1.1	-1.2	-0.7	-4	-59.8	-15.8	-51.7	-1.4
3rd	-29.3	3.5	-28.5	16.7	-29.9	22.5	-26	42.4	-20.8	5.8
4th	-25.1	-22.7	-23.6	-10.6	-22.1	-6.8	12.2	9.6	23.4	-2
5th	21.3	-11.1	14.9	-7.5	10.9	-1	-8.9	0	14.5	-1.1
6th	-12.2	-2.7	-10.7	1	-7.6	2.2	6.7	-3.8	-2.4	3.4
7th	-17	-26.3	-16.7	-17.1	-9	-7.9	4.2	0.6	-13.9	-3.1
8th	8.2	-0.3	5.4	-1.3	2	0.1	1.9	0.1	-3.4	-1.9
9th	-6.8	-0.6	-4.4	0.4	-0.2	0.3	-1.9	0.1	2.4	-2
10th	-11.4	-1.3	-6.7	0.9	0	0.9	-4.6	0.7	7.2	-0.6
11th	-3.6	-13	-4.5	-5.9	0.2	1.9	-2.5	-2.9	2.4	3.6
12th	-5.8	4.2	-1.4	2.8	1.6	-0.8	0.1	0.8	-2	0.6
13th	-6.5	1.2	-3	2.3	1.6	-0.7	0.3	0.6	-1.5	0.4
14th	2.8	-3	-0.7	-0.8	-0.7	1.3	-0.9	1.7	1	-2.3
15th	6.1	8.8	3.3	0.8	-3	-2.8	-4	-2.9	4.2	1.5
16th	-6.9	4.1	-0.7	2.1	2.3	-2.8	1.9	-3.4	0.1	2.3
17th	0.9	-1.1	0.3	-0.6	-0.3	0.7	-0.4	0.8	0.1	0
18th	3.6	-1.2	0.5	-0.9	-1.8	1.4	-0.8	1.3	-1.2	0.5
19th	2.1	0.7	0.1	-0.6	-1.4	0.2	-0.5	0.6	-1.7	0.3
20th	-2.2	-3.9	-0.1	0.4	1.9	1.3	-0.1	-0.8	2.1	0.9

D-627

RUN 53   PT 16

V/OR = 0.060   ALFS,U = -5.00   CLRH/S = 0.079439   CTH/S = 0.079684
VKTS = 24.0   MTIP = 0.607   CXRH/S = 0.006279   CP/S = 0.004931

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	32.8		700.6		253.9		1127.7		-153	
RMS	337.4		272.7		310.3		279.3		149.5	
1/2 P-P	646.7		609.8		696.5		616.8		293	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-16	456.7	43.1	318.5	124.2	293.5	157.2	187.9	18	185.1
2nd	17.9	14.1	19	-1.7	34.4	-1.4	37.9	-6.9	68.3	30.4
3rd	3.9	-126.5	-27.3	-130.1	-30.7	-163.1	-46.9	-141.1	0.1	-21.5
4th	-18.9	-3.1	-46.3	36.1	-65.3	49.4	-80.6	57	-31.4	-50.3
5th	-25.4	19.6	-56.2	-137.3	-84.9	215	-69.2	233.4	9.5	14.5
6th	14.6	-18	0.2	0.4	-10.3	14.8	-27.1	25.9	7.2	3.7
7th	5.8	7.4	9.7	21.7	-0.7	19.8	-26.4	-5.3	-2.8	0.7
8th	4.5	1.2	-0.4	4.7	2	5	8.9	2.8	1.4	-0.9
9th	-10.9	3.2	0.2	2.9	4	1.8	5.4	1.6	0	1
10th	-5.1	8.9	6.8	6.1	0.4	2.3	-5.7	-3.8	0.7	0
11th	16.3	-4.3	19.1	0.8	5.8	-6	-12.1	-4.1	1.4	-0.6
12th	2.5	-9.2	3.5	-16.2	-1.9	-4.9	-1.9	8	-3.7	-1.3
13th	-4.8	5.3	-1.9	8.9	-8.1	10.1	-1	-0.2	0.5	-0.1
14th	0.3	0.6	-0.1	5.5	1.4	-0.4	-2.7	1.4	10.4	-1.3
15th	-1.3	1.2	-7.5	-5.4	7.7	1.6	-0.1	-3.9	-3.2	3.9
16th	-0.3	0.2	2.4	-5.2	-3.9	5.6	2.9	-2.7	-0.5	-2.4
17th	-2.1	2.1	0	-0.2	1.7	-4.7	-0.1	0	-1	1.1
18th	-1.5	2.5	-2	2.1	2.7	-5.2	-3.2	1.5	-0.9	0
19th	0	-0.8	-1.8	3.3	1.6	2.9	-3	2.5	1.2	1.8
20th	-2.6	10.6	1.7	-2.8	-7.9	-17.2	2.1	-9	-0.9	-1.1

D-628

RUN 53   PT 17

V/OR = 0.051   ALFS,U = -5.00   CLRH/S = 0.079371   CTH/S = 0.079614
VKTS = 20.3   MTIP = 0.605   CXRH/S = 0.006249   CP/S = 0.005070

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	197.5		35.5		57		47		63.7	
RMS	62.2		36.3		31.7		86.7		45	
1/2 P-P	111.4		77.2		65.2		146.3		87	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-18.2	66.7	-24.7	16.8	-27	-6.8	-97.4	-20.1	-16.4	-4.1
2nd	8.5	8.6	0.4	1	-0.8	-1.8	-58.7	-14.1	-51.8	-2.5
3rd	-20.4	1.9	-20.1	12.6	-21.3	16.9	-17.2	30.3	-18.5	3.6
4th	-15.3	-15.5	-15.3	-7.4	-14.4	-5.2	7.1	7.3	18.9	-0.8
5th	20.7	-17.3	12.5	-12.9	8.5	-5.2	-6.6	5.4	11.9	0.8
6th	-4.3	-3.8	-5.3	-1.7	-4.7	-0.4	3.4	-0.7	-0.4	1.6
7th	-15.4	-14.5	-13.9	-8.3	-7.8	-3.8	2.7	-0.3	-10.5	-1.6
8th	10.2	-9.8	5.5	-8	2.2	-2.4	2.5	-1.8	-2.7	-2.5
9th	-1.7	-0.3	-0.6	-0.1	0.4	0.4	-0.7	-0.1	1.9	-1.1
10th	-10.7	-1.1	-6.1	1.4	0.6	1.1	-4	1.2	5.1	-0.9
11th	2.5	-18.2	-2.6	-9.2	-1	2.9	-1.8	-5.2	1.6	4.4
12th	-3.5	1.6	-1	1.6	0.6	-0.4	0	0.8	-0.7	0.3
13th	-5.6	1.4	-2.7	2.7	1	-0.6	0	1	-1	0.1
14th	1.3	-0.5	-0.4	0.5	-0.3	0.6	-0.8	0.8	0.1	-0.6
15th	8.5	4.7	3.2	-0.5	-3.5	-1	-4	-0.6	4.1	-0.3
16th	-4.1	5.6	0.5	2.2	0.7	-2.9	0.4	-3.4	0.9	2
17th	1.3	-1.6	0.3	-0.5	-0.3	0.9	0	0.8	1	0.3
18th	2.5	-1.6	0.4	-0.6	-1	1.2	-0.5	1	-0.6	0.8
19th	2.1	0.8	-0.1	-0.3	-1.5	0	-0.2	0.3	-2	-0.1
20th	1.4	-1.7	-0.2	0.3	-0.2	1.1	0.1	-0.5	-0.3	0.7

D-629

RUN 53 PT 17

V/OR = 0.051 ALFS,U = -5.00 CLRH/S = 0.079371 CTH/S = 0.079614
VKTS = 20.3 MTIP = 0.605 CXRH/S = 0.006249 CP/S = 0.005070

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	35		692.2		235		1094.5		-167.6	
RMS	336.6		274.8		311.8		282		142.7	
1/2 P-P	663.1		656.8		742		621.2		277.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-25.7	460.1	38.5	319.6	116.1	291.2	151.7	187.6	16.4	181.3
2nd	19.7	3.5	18	-11.2	29.8	-11.2	33.1	-14.5	62.7	29.8
3rd	9.1	-103.7	-17.9	-106	-23.1	-130.1	-35.1	-110.3	1.5	-15.1
4th	-8.2	1.9	-28.1	28.9	-41.2	38.3	-52.6	42.9	-21.5	-38.4
5th	-14	38.2	-35.4	171.4	-58.1	262.3	-48.8	277.5	15.7	9.8
6th	15.5	-5	2.7	0.1	-5.4	6.1	-17.9	8.2	9.3	2.7
7th	4.2	3.4	10.9	11.5	5.5	10.9	-16.2	-0.4	-1.4	-0.7
8th	5.1	3.8	-0.4	11	-0.3	7.2	5.7	-4.5	2.4	-2.7
9th	-17.8	3.4	-8.2	3.7	0.7	0.9	11.1	-0.6	-1.4	3.2
10th	3.7	-2.5	10.8	-3.8	1.6	-0.8	-8.4	3.4	0.4	-1.5
11th	24.2	-0.4	24.3	8.2	11	-6.4	-13.1	-10.9	4.2	-2.5
12th	11.8	-2.5	15.5	-9.2	7.4	-3.1	-5.6	4.1	-1.7	-0.3
13th	-12.1	13.7	-10	28.7	-13.8	24.8	0.7	-4.6	0.4	0.3
14th	1	1.3	2	4	3	2.3	-2.2	1.3	7.1	-1.6
15th	0.5	1.3	-6.6	-0.3	8.9	0.2	-1.3	-1.6	0.5	3.9
16th	0.2	0	2.3	-6	1.2	5.3	3	-2.9	-1.9	-2.5
17th	-3.8	2	1.4	-0.5	4.3	-6.8	1.5	-1	0.9	0.9
18th	-1.8	0.9	-1.4	1.1	3	-5.9	-0.8	1	-0.6	-0.5
19th	-1.4	0	-1	-0.7	2.7	-2.9	-2.3	-0.9	1.5	1.4
20th	-5.2	-0.8	2.1	-0.1	7.9	-5.2	4.6	0.8	1.5	-1.5

D-630

RUN 53   PT 18

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	199.6		38.5		61.3		65.8		74.1	
RMS	56.9		29.9		23.6		83.8		38.6	
1/2 P-P	111.8		59.5		46.3		137.2		74.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-25.8	66.6	-25.5	18.4	-23.6	-4.7	-106	-16.8	-15.8	-3.8
2nd	4.6	8.2	-0.3	2.2	-1	-0.1	-39.6	-12	-46.5	-0.5
3rd	-11.7	1.6	-12.4	9.3	-13.5	12.5	-14.6	20.9	-14.5	3.7
4th	-4	-8.8	-5.3	-5.3	-5.5	-4.9	2.4	5.6	11.6	-1.6
5th	11.9	-20.2	2.7	-15.3	-0.9	-8.7	1.5	8.6	10	0.2
6th	-1.6	-2.6	-2.8	-1.6	-2.5	-0.7	2.3	0.5	0.5	0.7
7th	-12.4	-4.8	-9.7	-1.7	-4.9	-0.3	1.2	-1.1	-6.4	1.1
8th	7.3	-8.9	3.9	-6.7	1.5	-1.6	1.7	-1.9	-1.1	-1
9th	-1.7	-0.5	0.2	1	1.5	1.7	-0.6	-0.1	1.2	-0.7
10th	-7.8	1.1	-4.2	2.6	0.3	1.1	-2.8	1.7	2.7	-1.1
11th	-5.4	5.6	-2.6	4.2	0	-0.2	-1.4	2.5	1.5	-1.4
12th	-3.9	4.8	-0.7	3	1.1	-1.1	0.3	1	-0.3	-0.4
13th	-0.5	3.2	-0.7	1	-0.5	-1.2	-0.8	-0.5	0.1	0.8
14th	3.4	-0.9	0.4	-1	-0.9	0.6	-1.1	0.6	1	-1
15th	4.5	0	1.3	-1.5	-1.6	0.3	-1.9	0.6	1.7	-1
16th	0.4	-0.1	0.2	0.1	-0.4	0	-0.2	0.1	0.4	0.4
17th	0.5	-2	-0.1	-0.1	-0.1	1	0.4	0.8	0	0.4
18th	-0.1	-1.3	0.1	-0.2	0.3	0.3	0.1	0.2	-0.3	0
19th	-1.6	1.9	0.1	0.5	0.1	-1.5	0	-0.5	0.1	-1
20th	-2.1	-0.3	0.4	0.5	1.1	-0.5	-0.5	-0.3	1.6	-0.2

D-631

RUN 53   PT 18

V/OR = 0.041   ALFS,U = -5.00   CLRH/S = 0.079736   CTH/S = 0.079979
VKTS = 16.3   MTIP = 0.606   CXRH/S = 0.006262   CP/S = 0.005277

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	29.1		682.4		209.7		1072.1		-185.3	
RMS	332.1		257.7		276.7		243.3		130	
1/2 P-P	630		615.1		654.3		519.5		233.8	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-60.3	456.6	14.4	316.8	89.5	282.1	130.8	179.8	13.4	172.5
2nd	2.4	-2.8	2.1	-12.2	11	-12.3	16.8	-12.9	46.6	23.8
3rd	15.6	-74	-7.2	-75.7	-13	-92.4	-21.2	-77.5	6.3	-6.7
4th	-6.5	4.2	-17.8	20	-24.8	26.2	-29.2	26.8	-7.2	-21.8
5th	-2.7	36.5	-36.9	146.6	-65.6	222	-73.6	230.8	15.5	-3.5
6th	11	1.4	3.3	-2	-0.8	-4	-7.4	-5.9	7.7	1.4
7th	-3.1	1.2	4.9	4.2	3.9	4.2	-8.5	2.6	-2.1	2.3
8th	3	0.9	-1.9	8.6	-2.6	5.3	1.1	-2.7	2.6	-2.9
9th	-23.6	-11.7	-13.7	-3.1	-1.8	-1.4	15.3	6.3	-2.6	-1.1
10th	3.1	-8.9	6.7	-9.5	0.6	-2.6	-5.9	7.1	-1.7	-1.4
11th	25	-6.8	23.5	-17.2	9.6	-4.5	-13.8	9.4	2.2	-0.2
12th	9.1	-0.1	12.4	-7.9	5.2	0.1	-4.6	4.3	-2.5	-0.2
13th	-14.1	-0.1	-26.5	5.2	-19.3	7.1	5.3	-0.9	1	3.4
14th	0.7	1.6	-1.2	3.7	2	-0.3	-1.1	-1	4.7	2.7
15th	-0.1	1.3	-4.5	-2.8	2.2	-7.3	-0.7	-1.8	-2.4	3.2
16th	-0.2	0.6	-1.8	3.7	-1.8	3.6	-0.7	0.9	0.4	0.2
17th	-1.7	-1.1	2.1	2.2	2.9	-1.1	1.2	2	2.1	0.5
18th	-0.3	-0.3	0.3	0.4	-0.8	-1.5	0.6	1.1	-0.4	-0.2
19th	0.9	-3.5	1.5	-0.4	2.3	7.5	1.8	0.5	0	-0.3
20th	-0.6	-7.2	1.8	0.7	5.3	10.7	6.9	5.9	0.5	-1.2

D-632

RUN 53 PT 19

V/OR = 0.029   ALFS,U = -5.00   CLRH/S = 0.079641   CTH/S = 0.079900
VKTS = 11.8   MTIP = 0.604   CXRH/S = 0.006445   CP/S = 0.005645

HARMONIC	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	200.2		40.2		62.4		54.3		82.1	
RMS	54.3		25.4		16.6		65.8		34	
1/2 P-P	115.8		61.8		37.1		99.6		63.6	
	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-30.7	66.6	-24.5	20.7	-20.2	-0.8	-88.3	-16.5	-25.8	-4.8
2nd	2.7	6.4	0.9	1.9	1.1	0.1	-15.5	-7.9	-37.5	-1
3rd	3.1	-1.4	-1.4	2.6	-3.9	4.7	-7.7	10	-0.6	-0.1
4th	-2.8	-6.1	-4.9	-3.8	-5.7	-4.1	4.6	4.5	12.9	-0.9
5th	2.9	-0.8	-1.1	-0.8	-3.1	0.3	3.4	-0.3	1.2	1.3
6th	-6.5	1.1	-6.4	1.9	-5	1.2	4.5	-1.5	-4.1	0.9
7th	1.2	-2.2	1.6	-1.4	1.4	-0.3	-0.8	0.1	1.2	-1.2
8th	-5.8	8.4	-2.6	6.8	-0.5	2.3	-1.5	1.7	0.7	1.4
9th	4.6	-2.3	2.6	-1.3	0.7	0.4	1.4	-1.2	-0.5	0.9
10th	2.8	-1.8	1.4	-1	0.2	0.3	1.1	-0.8	-0.9	0.5
11th	-13.1	-8.2	-8.6	-2.2	1.1	0.9	-5.2	-0.9	4.2	0.9
12th	0.3	0.2	-0.1	0.3	0.2	0	-0.1	0.1	0.3	0
13th	-2.8	1.8	-0.8	0.5	1	-1.5	0.2	-0.8	-0.7	0.7
14th	0.1	1.4	0.1	-0.1	-0.1	-0.9	-0.3	-0.7	0.1	0.5
15th	2.2	-2.2	0.6	-1.2	-0.4	0.8	-0.4	1.1	0.8	-1
16th	0	-1.4	-0.2	-0.3	0.2	0.3	0.3	0.4	-0.2	-0.4
17th	0.8	-0.7	-0.1	0	-0.4	0.4	-0.2	0.3	-0.4	0.1
18th	-0.4	0.5	0.1	0.2	0.1	-0.7	0	-0.3	0	0
19th	-0.5	-0.1	0	-0.1	0.1	-0.4	0	-0.1	0.4	-0.1
20th	0.4	1.2	0.3	0	-0.4	-0.9	0	0.1	-0.6	-0.6

D-633

RUN 53   PT 19

V/OR = 0.029	ALFS,U = -5.00	CLRH/S = 0.079641	CTH/S = 0.079900
VKTS = 11.8	MTIP = 0.604	CXRH/S = 0.006445	CP/S = 0.005645

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	50.7		698.8		232.5		1086.1		-185.4	
RMS	307		215.2		202.6		163.3		114.8	
1/2 P-P	535.6		483		456.8		340.6		204.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-122.2	410.8	-40.5	283.6	29	250.5	75.9	161.3	-0.5	157.5
2nd	-5.9	-3.8	-7.1	-8	-3.7	-6.5	1	-5.7	26.7	14.2
3rd	45.2	-39.3	27.3	-38.9	22.7	-45.3	13.9	-38.6	11.6	-2.3
4th	0.1	-2.5	-8.4	7.1	-10.5	10.7	-15	11.6	-3.6	-17.9
5th	-13.6	11.5	-61.6	50.5	-96.3	74.4	-107.6	81.8	-0.9	2.4
6th	7.9	2.6	2.5	-2.9	-0.4	-6.5	-10.3	-5.7	1.7	2.3
7th	-14.6	-6.6	-5.6	-0.3	2.8	0.9	12.8	1.5	0.2	-1
8th	1.1	1	3.8	-6.5	1.2	-4.8	-4	2.3	-2.5	1.8
9th	-3.7	-17.2	-7.2	-6.6	-1.2	0.2	5.5	8.9	0.4	-1.9
10th	2.9	-4.6	-0.4	-1.3	0	-0.7	0	1.6	0.9	-1.9
11th	16.6	9.7	28.1	7.5	5.7	0.9	-18.5	-6.6	0.7	-0.4
12th	-4.4	-0.7	-5.3	0.4	-2.4	-0.4	2.1	0.4	1.5	-1.8
13th	-4.8	-7.3	-12.1	-11.8	-11.4	-6.2	2.9	2.9	-2.8	1.1
14th	-1	0.1	-4.2	-3.2	-2.9	-1.5	0.4	-1	-1.9	3.8
15th	-0.6	0.6	2.9	-0.1	5	-5.4	1	-0.3	-0.4	0.1
16th	0.2	0.7	-4	-0.2	-6.3	-2.9	-1.3	-0.2	-0.8	-1.1
17th	0.6	-1.9	-0.2	1.8	0.1	1.4	-0.7	2.1	0	0.2
18th	0.6	-0.6	-0.8	-0.9	-1.4	0.5	-0.8	-0.5	0.5	-0.6
19th	-0.4	0.8	0.6	0.3	-0.2	0.6	1.1	-0.8	1.2	0
20th	7.2	-0.7	-2.8	0.9	-7.8	8.1	-8.1	3	-0.7	0.3

D-634

RUN 53   PT 20

V/OR = 0.021	ALFS,U = -5.00	CLRH/S = 0.079609 CTH/S = 0.079883
VKTS = 8.2	MTIP = 0.607	CXRH/S = 0.006622 CP/S = 0.006086

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	205.3		40.6		62.2		38.1		83.8	
RMS	43		24		18.8		55.5		32.6	
1/2 P-P	100.8		55.2		45.2		112.2		57.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-28.7	44.7	-21.3	13.9	-16	-2.3	-71.5	-7.9	-43.3	1.4
2nd	-2.7	1.3	-0.7	2.2	0	3.1	0.3	11.9	-6.5	6.3
3rd	-1.2	-1.8	-9.9	-0.9	-14.3	-0.7	-23.3	7.5	3.3	3
4th	7.9	-5.1	5.6	-6.4	5.7	-7.3	-5.3	2.6	-0.2	3.8
5th	3.3	-1.2	2.3	-2.6	1.6	-3.4	-1.3	2.3	-1.5	0.6
6th	1.8	0.2	2.4	-0.4	2.1	-0.2	-2	0.7	0.3	-1.2
7th	5.6	4.1	4.8	1.9	2.5	0.9	-1.4	0.7	3.5	-0.3
8th	-5.4	1.7	-3.6	2.3	-1.4	1.2	-1.6	0.3	0.2	0.1
9th	-0.6	1.7	-0.3	0.9	0.2	-0.4	-0.6	0.5	1	-0.2
10th	-0.4	2.4	0.1	1.3	-0.1	-0.4	-0.1	0.7	0.5	-0.3
11th	0	-0.1	0.1	0	0.2	0.2	0	-0.2	0	0.3
12th	-1.5	-0.2	-0.6	0.3	0.7	0.4	-0.1	0.2	-0.2	-0.2
13th	-0.9	-0.1	-0.5	0	0.3	-0.2	-0.3	0.1	0.1	-0.3
14th	0.7	-0.6	-0.2	-0.2	-0.3	0	-0.4	0.1	0.3	-0.2
15th	2	0	0.4	-0.3	-1	0.2	-0.9	0.4	0.3	-0.4
16th	0.7	0	0.3	-0.3	-0.4	-0.1	-0.3	0.1	-0.2	-0.5
17th	0.7	0.5	0	-0.1	-0.4	-0.2	-0.2	0.1	-0.6	-0.4
18th	1.1	0.6	0.1	0	-0.4	-0.3	-0.3	0.2	-1	-0.2
19th	0.7	0.8	0.2	0	-0.5	-0.3	-0.1	0	-1	-0.3
20th	-2.9	1.1	0.2	0.1	0.9	-1.5	-0.3	0.4	0.5	-1.5

D-635

RUN 53   PT 20

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	93.6		741.3		274		1134.4		-178.3	
RMS	234.1		164.4		151.9		118.8		82.9	
1/2 P-P	479.1		374		336.8		297.3		158.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-107	289.3	-36.2	199.4	21.3	174.2	61.7	107.6	7.8	112.7
2nd	-32.9	-40.8	-33.3	-32.6	-36.7	-32.9	-30.4	-27.7	-3	-6.2
3rd	95.8	7.1	80.5	-11.2	82.8	-20.3	63.8	-23.6	15.6	-0.6
4th	6.2	7	9.2	4.5	10.7	5.8	14.3	-0.9	13.1	-2.9
5th	-8.8	2.6	-28.6	-2.4	-43.8	-6.8	-45.2	-11.2	-0.5	3.1
6th	-6.3	3.6	-0.3	-1.2	3.1	-4.6	9.3	-7.8	-4.4	0.7
7th	-6.9	-1.9	-2.2	-3.9	5.7	-4.9	16.4	-2.4	1.8	-1
8th	4.5	3.9	7.6	-0.6	4.5	-1.8	-3.8	-1.2	0	-1.1
9th	-3.7	3.4	-0.5	1.3	1.5	1.1	2.4	-0.9	-0.2	0.2
10th	1.9	3	2	0.6	0.8	1.4	-1	0.6	-0.8	1.4
11th	-6	-0.6	-5.3	0.5	-2.2	0.1	3.4	0.5	-0.2	0.9
12th	6.4	0.7	9.4	-1	4.2	0.4	-3.2	0.7	0.2	-1.6
13th	-2.1	0.7	-2.4	2	-3.1	1.6	0	-0.2	0	0.1
14th	0.4	0.8	-0.7	1.8	-0.7	0.4	-0.7	-0.3	1.1	1
15th	0.4	-0.1	-1.2	1.7	1.4	0.9	-0.8	-0.1	0.4	1.4
16th	-1	0.5	0.5	-0.3	1.9	-1.4	0.4	-0.1	-0.3	-3
17th	1.1	0.6	-1.9	0.3	-2	-0.3	-1.8	-0.2	0.6	1.1
18th	-0.1	0.1	-0.6	-0.6	1.7	-0.8	-1.5	-0.5	1.3	0.3
19th	0.7	-3.9	0.1	2.6	3.3	7.6	-0.4	3.9	1.4	0.4
20th	0.4	-1.4	1	-0.6	-0.7	5	3.6	-1.4	0.9	-0.3

D-636

RUN 53 PT 21

V/OR = 0.014
VKTS = 5.7

ALFS,U = -5.00
MTIP = 0.606

CLRH/S = 0.078847
CXRH/S = 0.006610

CTH/S = 0.079123
CP/S = 0.006359

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	211		43.5		63.1		25.6		80.6	
RMS	47.4		35		27		45.5		24.2	
1/2 P-P	154.4		108.4		79.5		117		73.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-5.2	21.1	-6.7	5.3	-5.5	-3	-30.7	-11.4	-13.8	-4.9
2nd	1.4	-0.4	6.1	-0.3	9	0.6	37.9	4	12.5	-0.9
3rd	2.6	-2.2	1.4	-4.3	1.4	-5.3	5.6	-7.4	1.9	2.6
4th	12.6	0.7	12.3	-2.6	12.5	-3.7	-4.2	-2.6	-7.3	2.8
5th	5.4	17.3	9	12.7	9.1	8.9	-7.4	-11.1	-4.2	-1.4
6th	-4.8	3.5	-3.9	5.2	-2.8	3.8	0.9	-4.2	-1.1	0.4
7th	-4.1	3	-3.3	2.1	-2.5	0.2	1.1	0.2	-2.8	1.1
8th	-9.8	-2.3	-7.3	-0.4	-3	-0.6	-1.1	-0.7	-3.1	0.6
9th	-2.1	-1	-1.7	0.2	-0.7	0.5	-0.9	-0.6	-0.1	0.9
10th	-5	7.2	-2	5	-0.3	-0.3	-1.7	2.9	1.5	-2
11th	-26.5	-6.3	-15.2	1.5	2.2	0.9	-8.9	1.5	8	-1.9
12th	-2.2	-2.4	-1.3	-0.6	0.2	0.6	-0.6	0.2	0.9	-1.6
13th	-3.7	-1.1	-1.7	0.4	0.6	0.2	0	0.7	-0.7	-1.3
14th	-3.2	-1.7	-1.4	0.4	0.8	0.6	0.5	0.8	-1.7	-0.6
15th	-4	-3.5	-2.3	0.2	1.4	1.3	2	1.4	-2.4	-0.5
16th	1.4	-2.4	-0.3	-0.7	-0.6	1.3	-0.3	2.1	0.5	-0.6
17th	-0.3	0.2	0	0.1	-0.4	0.2	-0.2	0.8	0.7	0.3
18th	-0.7	1.2	0	0.3	-0.2	-0.3	0.1	0	0.6	0.2
19th	-2.8	3.2	0.3	0.5	0.4	-2	0.1	-0.3	1.2	-1.8
20th	-3.5	-3.3	0.2	0.6	2.5	0.6	-0.2	-0.3	3	0.5

D-637

RUN 53   PT 21

V/OR = 0.014   ALFS,U = -5.00   CLRH/S = 0.078847   CTH/S = 0.079123
VKTS = 5.7   MTIP = 0.606   CXRH/S = 0.006610   CP/S = 0.006359

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	116.8		764		293.5		1161.6		-171.5	
RMS	118.5		116.9		125.1		127.7		57.5	
1/2 P-P	349.5		338.9		354.5		319.1		160.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-0.2	123.7	14.9	87.7	27.9	82.6	30.8	58.7	10.9	61.9
2nd	-30.6	-12	-34.6	1.4	-51.5	6.8	-58.7	7.2	-17.7	-6.1
3rd	10.2	33.4	18.3	31.6	23.2	36.2	24.3	27.4	3.6	-1.5
4th	1.8	16.7	18.9	15.9	28.1	20.2	41.5	12.5	13.5	9.3
5th	-10.6	-15.6	0.2	-42	7	-58.8	24.3	-54.7	-12.2	13.3
6th	8	-15.7	2.2	-2.7	-1	8.8	-8.1	22.9	-1.7	-3.8
7th	6.4	3.5	3.9	-4.9	-0.1	-6.3	-6.8	-4.5	-0.6	3.2
8th	1.9	-0.1	7.4	-1.2	5.1	-0.8	-4.9	-1.6	-1.9	-0.1
9th	-0.3	-2.7	-0.2	-0.9	0	0	-1.2	2	1.5	0.6
10th	1.5	-8.9	0.7	-12.7	-0.1	-2.4	-2.5	9	-0.4	1.8
11th	23.6	4.4	42.5	-4.8	5.6	-3.4	-29.3	-0.7	0.2	-2.1
12th	3.6	1.9	6.7	0.9	2.3	-1.4	-2.2	-2.7	1	-1.4
13th	4.1	1.7	9.4	0.1	2.4	-0.5	-3.8	-0.5	1.8	-1.4
14th	1.2	-0.3	1.6	0.3	-3.9	-0.1	-1.1	0.5	-1.7	-3.1
15th	1.5	-1	3.4	-0.6	-5	-3.1	-0.8	1.8	4.9	-3.6
16th	0.3	-1	1.1	2.3	1.9	-2	-0.8	2.4	1.6	0.9
17th	0.6	-1.5	0.2	-0.6	0.5	0.5	0.1	1.1	0	0.8
18th	0.6	-1.3	-0.4	-1.4	0.2	1.1	-0.5	-0.8	-0.9	1.6
19th	0.7	0.3	-0.2	-3.1	-1.4	2.6	0.3	-5.5	-2.4	0.7
20th	-0.8	1.9	3.2	-0.4	-4.7	-4.2	6.4	-1.7	0.6	-1.1

D-638

RUN 32　　PT 20

V/OR = 0.000　ALFS,U = -2.00　CLRH/S = 0.080286　CTH/S = 0.080324
VKTS = 0.0　　MTIP = 0.605　　CXRH/S = 0.002484　CP/S = 0.006254

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	203.1		44.8		188.6		52.3		88.8	
RMS	65		52		54.3		65.1		36.6	
1/2 P-P	188		168.5		247.4		160.6		90.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-31.8	-9.5	-16.9	-11.2	-8.7	-14.7	-34.4	-10.3	-29.2	-4.3
2nd	-1.2	-8.3	-6.8	-13	-16	-21.2	-26.7	-50.5	-21.8	-16.6
3rd	-6.1	-12.4	-15.9	-12.6	-23.2	-12.6	-29.2	-19.2	4.2	3.1
4th	4.9	-9.2	5.1	-9.8	10.4	-8.8	5.6	1.1	-3.2	5.3
5th	19.6	25	22.3	20.3	20	14.5	-20	-21.1	-2.2	-6.3
6th	-8.3	-10.2	-10	-6.9	-10.5	-4.6	6.6	3.1	-2.9	-5.8
7th	27.1	11.3	24.5	2.5	11.2	3.4	-7.8	3.1	12.6	3.7
8th	25.5	1.5	18	-2.8	7	-1.8	5.1	-0.2	5	-1.6
9th	-2	-6.3	-3.9	-6	-0.8	-5	-0.5	-1.5	1	-0.8
10th	-6.4	3.4	-2.9	2.8	-0.6	0.8	-2.5	2.4	0.9	-3.9
11th	-7.6	-5.7	-5.3	-1.7	0.8	1.9	-2.9	-0.8	1.7	2.2
12th	-1.1	-3.4	-1.6	-0.8	0.7	0.1	-0.6	0	0.8	-1.9
13th	3.4	0.2	2.8	-0.7	-1.8	-0.9	1.2	-0.2	-0.2	-1.2
14th	-0.8	0.7	0.5	0.5	-1	1.5	0.8	-1.2	-2.1	3.7
15th	8.3	7.9	4.6	0.2	-2.3	-1.4	-4.5	-2.4	5.8	2
16th	1.9	-1.7	-0.2	-0.3	1.2	-1	-0.5	1.2	0.2	-1.4
17th	1.2	2.5	0	0.5	-2.1	-1.1	-0.2	-1.4	-1.3	-1.5
18th	2.1	-2	-0.3	-0.4	-1.9	3.7	0.1	0.6	-0.5	1.4
19th	-4.6	-2.5	-0.5	0	3.6	0.4	0.5	-0.6	2.6	-0.6
20th	-1.8	-4.8	0.1	0	3	-0.5	-0.2	-0.9	3.2	0.6

D-639

RUN 32   PT 20

V/OR = 0.000	ALFS,U = -2.00	CLRH/S = 0.080286	CTH/S = 0.080324
VKTS = 0.0	MTIP = 0.605	CXRH/S = 0.002484	CP/S = 0.006254

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	97.8		733.8		209.6		1227.5		-233.3	
RMS	179.1		168.9		191.7		182.3		54.2	
1/2 P-P	489.3		488.1		485.6		540.2		154.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-158.3	95.2	-86.3	79.6	-48.4	77.6	-9.9	40.9	-33.5	11
2nd	30.4	24.5	54.4	26.2	82.5	51.1	84.7	53.6	20.1	20
3rd	107.8	21.9	105.9	-13.5	123.9	-27.4	105.3	-40.1	13.3	-9.7
4th	10.1	12.5	39.2	-9.3	59.5	-20.7	67.4	-30.9	6.3	-6.1
5th	-36.7	-37.7	-82.3	-42.1	-116.8	-53.1	-94.9	-38	-25.3	22.6
6th	24.8	3.9	7.3	6.6	-5.7	7	-27.5	-0.2	0.9	-3.3
7th	-43.1	9.7	-20.1	0.5	11.9	-11.9	66	-18.1	-2.3	1
8th	-9.6	-1.5	-24.6	2.1	-15.2	-0.6	14.2	-4.4	5.1	-0.3
9th	10.6	3.1	8.7	4.7	1.1	4.5	-12.1	-1.9	0.1	1.7
10th	1.4	-3.5	6.1	-7.7	1.4	-3.2	-3.2	3.8	-2.2	0.4
11th	10.8	11.8	22.2	10.8	7.2	3	-10	-8.1	-2.7	-0.2
12th	4.5	6.7	7.7	8.3	1.8	2.6	-4.8	-2.8	4.3	0.4
13th	3.8	0.6	8.2	-3.5	11.1	-4.4	1.5	-2	-0.4	0.3
14th	-2.6	-1.6	-1.9	-0.1	-1.3	2.4	3	0.2	-5.5	-0.4
15th	0.7	0.3	-5.9	-5.2	10.1	1	-0.8	-3.4	-3.9	1.5
16th	-0.2	0.1	1.3	7.5	3	4.6	-0.6	2.2	2.9	-1.6
17th	-1.3	-2	-1.2	0.4	4.2	4	0.3	-1.1	3.2	0.1
18th	-0.2	0	-0.3	2.4	0.7	-2.7	-1.4	0.1	1.3	-0.8
19th	0.3	2.6	4.2	-0.5	-6.8	-2.5	3.4	-3.5	0.1	-1.2
20th	-0.5	8.5	1.1	-2.4	-11.2	-14.9	-0.3	-5.1	-2.1	-1.2

D-640

RUN 32   PT 21

V/OR = 0.020   ALFS,U = -2.00   CLRH/S = 0.080676   CTH/S = 0.080711
VKTS = 8.1   MTIP = 0.606   CXRH/S = 0.002403   CP/S = 0.006065

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	196.9		37.7		244.6		51.3		88.4	
RMS	52.2		27.1		18.8		61.1		34.6	
1/2 P-P	118.6		66.2		51.1		107.6		61.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-30.6	57.8	-22.9	17.9	-17.4	-1.4	-79	-16.2	-43.7	-3.7
2nd	4.2	0.4	1.3	-0.7	0.6	-1.2	-5.7	-4.5	-13.6	-2.1
3rd	0.4	1.2	-5.5	7.1	-8.9	10.5	-7.4	22.9	8.1	2.7
4th	0.9	-3.3	0.2	-2.4	0.7	-1.7	-1.4	2.6	0.9	1.7
5th	3.3	5	2.4	3.7	0.9	3.1	-0.3	-3.9	-0.6	-0.1
6th	1.9	2.6	2.7	1.5	2.4	0.6	-2.3	-0.8	0.2	1.7
7th	-7.5	2.5	-4	4.1	-1.3	2.9	-1	-2.4	-0.7	2.8
8th	-6.8	-2.3	-5.2	-0.1	-2	0.2	-1.6	-0.9	0.2	1.5
9th	0.1	-4.3	-1.4	-2.6	-1	-0.4	-0.3	-1.8	-0.5	1.7
10th	1.5	-4.3	0	-2.8	-0.3	0	0.2	-2	-0.7	1.3
11th	-8.7	-4.2	-5.1	-0.8	1	0.4	-3.1	-0.3	2.7	0.3
12th	0.4	-0.5	-0.2	0	-0.3	0.2	-0.4	0.1	0.4	-0.1
13th	1.3	-0.2	0.5	-0.7	-0.3	-0.2	-0.4	-0.4	0.4	0.4
14th	-0.9	-0.9	0	-0.6	0.5	0	0.3	0	0	0.1
15th	-3.8	-2	-1.7	0.4	1.6	0.4	1.9	0.5	-1.9	-0.5
16th	2	-0.2	0.4	-0.6	-0.8	0.4	-0.9	0.7	0.2	-0.7
17th	0.2	1.1	0.3	0	-0.4	-0.5	-0.5	-0.3	-0.2	-0.7
18th	0	-0.2	-0.3	0.1	0.2	0.1	0.2	0.1	-0.1	0
19th	-0.6	0.3	0.1	0.2	0.2	-0.4	0	-0.2	0.4	0.1
20th	-1.8	0.6	-0.1	0.1	0.6	-0.9	0.1	0.3	0.5	-1

D-641

RUN 32   PT 21

V/OR = 0.020
VKTS = 8.1

ALFS,U = -2.00
MTIP = 0.606

CLRH/S = 0.080676
CXRH/S = 0.002403

CTH/S = 0.080711
CP/S = 0.006065

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	59.6		705		173.4		1203.9		-220.6	
RMS	280.1		196.9		182		145		97.3	
1/2 P-P	500.5		444.5		460.5		380		173.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-138.4	358.7	-57.1	248.3	5.6	217.5	52.4	140.3	3.1	134
2nd	4.3	-19.4	2.5	-16.6	0.9	-13	2.6	-9.5	15.9	-1.8
3rd	69.9	-38.5	45.2	-43.7	37.3	-54.9	20.1	-46.9	13	-6.8
4th	-1.9	8.1	0.8	16.1	2.1	21.2	1.8	18.3	4.7	-2.5
5th	-20.6	-2	-66.6	15.5	-100.9	23.8	-107.2	30.5	-5.8	5.5
6th	-4.4	7.1	-0.5	2.5	1.9	-0.3	6.4	-2.5	1.5	2.6
7th	-9.8	-20.8	3.2	-5.5	12.3	7.1	15.2	22.6	-0.1	-1.8
8th	0.8	0.9	6.4	1.7	5.5	0.4	-1.5	-0.9	0.4	1.7
9th	10.9	-5.9	7.1	-1	2.9	1.5	-5.1	2.9	1.2	-0.8
10th	3.6	3.9	4	5.6	2	0.6	-0.7	-4.9	0.3	-0.2
11th	7.2	10	16.4	7.5	2.3	1.6	-9.8	-5.6	-1.3	-0.9
12th	-0.8	6.9	1.5	8.3	1.3	3.8	-0.2	-3.6	1.4	0.9
13th	-1.6	-5.1	-5.5	-8.8	-1.7	-7.1	2.2	1.1	0.4	1.1
14th	-0.3	0.3	2.3	-2.6	1.5	-3.4	0.7	-0.6	-1.6	1.4
15th	1	-0.6	4.8	2.5	-2.1	2.7	0.2	1.4	2.9	-1.8
16th	0	-0.1	-3.4	-2.3	-0.9	-5.4	-1.6	-1.4	-0.9	0.7
17th	0.3	0.6	-0.9	-0.3	-0.1	0.7	-0.9	-1.1	-0.7	-2.2
18th	2.6	0	-0.2	-0.3	-2.6	1.4	-1	0.1	2.5	0.9
19th	1	-0.2	-1.2	-0.4	-2.7	2.1	-0.6	-0.5	-0.7	0.7
20th	4.9	10.9	-2.6	-2.9	-16.4	-7.1	-9.1	-9.9	-1	0.2

D-642

RUN 32   PT 22

V/OR = 0.040	ALFS,U = -2.00	CLRH/S = 0.080608 CTH/S = 0.080631
VKTS = 16.1	MTIP = 0.606	CXRH/S = 0.002071 CP/S = 0.005174

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	194.6		37.2		245.9		77.7		74.1	
RMS	59.4		32.9		26.8		92.7		40.5	
1/2 P-P	113.7		72.4		54.7		151.6		78.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-24.5	67	-26.1	18.5	-26.1	-4.9	-111.3	-18.8	-14.4	-3.5
2nd	6.3	8.1	0.4	1.6	-0.2	-1.1	-56.1	-14.7	-48.9	-3.7
3rd	-14.1	-0.2	-14.2	9.3	-15.2	13.7	-14.5	25	-15.6	3.6
4th	-8.7	-12.9	-10.2	-7.1	-10.5	-4.9	5.6	7.6	13.6	0.9
5th	20.7	-13.7	12.1	-10.9	6.8	-5	-6.5	5.3	8.9	0.3
6th	-0.1	-3.8	-1.6	-3.5	-1.8	-2.5	1.9	1.4	1.2	0.8
7th	-12.7	-9.4	-10.6	-5.2	-5.5	-2.3	2.1	-0.4	-7.4	-0.6
8th	14.5	-11.5	8.4	-10	2.8	-3.4	3.4	-2.4	-0.8	-3
9th	-2	-0.2	-0.5	0.8	0.5	0.9	-0.6	-0.1	1	-0.5
10th	-9.5	-2.7	-5.7	0.7	-0.1	0.9	-4.2	0.5	4.2	-0.5
11th	0.8	-1.7	-1	-0.6	-1.2	0.4	-0.6	-0.2	0.5	0.6
12th	-4.6	0.7	-1.8	1.5	1	0	-0.4	0.9	-0.4	0.2
13th	-3.3	1.1	-2.5	1	0.2	-0.7	-0.8	0.1	-0.2	0.3
14th	1.7	1.3	0.1	0.4	-1	-0.2	-0.9	0	0.8	-0.6
15th	5.7	5.8	2.8	0.4	-2.8	-1.6	-3.4	-1.7	3.4	1.1
16th	-0.2	3.5	1	1	-0.4	-1.4	-0.8	-1.6	1.1	1.6
17th	0.6	-0.3	0.2	0	-0.2	0.4	0	0.3	0	0.5
18th	1.7	-0.4	0.4	-0.2	-0.6	0.6	-0.4	0.5	-0.1	0.1
19th	1.9	-0.8	-0.1	-0.2	-0.6	0.9	-0.1	0.2	-0.8	0.4
20th	-0.6	-1	0.2	0.3	0.6	0.3	-0.1	-0.3	0.9	0.5

D-643

RUN 32   PT 22

V/OR = 0.040   ALFS,U = -2.00   CLRH/S = 0.080608   CTH/S = 0.080631
VKTS = 16.1   MTIP = 0.606   CXRH/S = 0.002071   CP/S = 0.005174

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	24.1		658.7		122.7		1142.2		-205.3	
RMS	338.4		266.8		289.6		260.1		134.7	
1/2 P-P	654		639.2		685.9		552.4		256.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-56.6	463.1	18.1	321.6	93.8	286.2	141.3	184.4	6.8	177.6
2nd	17.3	-5	15.9	-16.6	24.6	-15.2	28	-16.1	50.3	19.1
3rd	19.1	-87.4	-3.7	-89.2	-8.5	-106.8	-19.7	-91.5	6.8	-18.6
4th	-1.2	6	-16.8	24	-25.1	30.3	-35	30.9	-1.2	-28
5th	-16.7	35	-60.5	150.7	-97.4	227.6	-95	241.7	12.8	16.7
6th	9.9	5.2	0.6	0.4	-4.7	-2.7	-11.4	-8.9	2.2	4.9
7th	-1.9	4.4	6.3	7.3	4.3	4.4	-9.6	-4.1	-3.8	-0.7
8th	-0.1	3.1	-7.2	13.3	-4.6	8.6	7.1	-4.5	3.3	-2.6
9th	-25.4	-8.8	-14	-2.1	-1	-0.1	16	5.5	-1.6	1.3
10th	6	-5.1	10.9	-4.1	1.4	-2.6	-9.5	2.9	-0.5	-2.1
11th	25.4	-2.4	22.7	-5.6	12.1	-4.3	-12.7	0.5	2.6	-0.6
12th	9.6	6.1	16.7	1.3	6.5	2.2	-6.5	0.3	-4.2	0.1
13th	-14.7	6.6	-20.6	18.7	-19.1	15.6	2.9	-4.2	-0.9	2.3
14th	1	0.9	0.4	0.6	2.5	1.5	-1.9	0.3	4.9	-0.2
15th	-0.9	0.9	-6.5	-3	5.3	1.1	-0.3	-1.9	-3	-0.7
16th	-0.7	-0.1	-2.7	-1.5	0.2	3.8	0.8	-1.4	-1.6	0.6
17th	-4.3	-0.8	2.9	-0.3	6.7	-2	2	0.2	4.4	1.9
18th	-0.4	-0.3	-1.3	0.8	1	-1.5	-1	1.4	0.4	0.8
19th	-2.9	-0.4	1.8	-0.3	6	-5.3	1.6	0.3	0.2	0
20th	-1.7	-4.8	1.2	0.9	4.5	4.9	4.8	4.7	-0.1	-1

D-644

RUN 32   PT 23

V/OR = 0.040   ALFS,U = -2.00   CLRH/S = 0.080675   CTH/S = 0.080698
VKTS = 16.1   MTIP = 0.606   CXRH/S = 0.002064   CP/S = 0.005178

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	194.9		37.7		243		78.1		74.5	
RMS	59.1		32.9		27.2		93.1		40.5	
1/2 P-P	112.6		71.6		56.2		151.2		78.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-24.4	66.4	-26.1	18	-26.3	-5.3	-111.5	-18.9	-14	-3.8
2nd	6.6	7.7	0.5	1.2	-0.1	-1.5	-57	-14.7	-49	-3.7
3rd	-14.3	0.4	-14.3	10.1	-15.4	14.5	-14.5	25.2	-16.4	3.3
4th	-9.3	-12.6	-10.6	-6.7	-10.8	-4.6	5.9	7.5	13.1	0.9
5th	20.4	-12.3	12.3	-9.8	7.3	-4.1	-7	4.3	9.1	0.6
6th	-0.1	-2.6	-1.4	-2.5	-1.5	-2	1.6	1.1	1.6	0.7
7th	-11.2	-9.9	-9.6	-5.9	-4.8	-2.7	1.9	-0.2	-7.3	-1
8th	15	-14	8.5	-12	2.8	-4.3	3.6	-2.8	-1	-3.6
9th	-2.5	-0.2	-0.8	0.8	0.3	0.9	-0.7	-0.1	0.9	-0.5
10th	-8.6	-2.9	-5.4	0.5	0	0.9	-3.9	0.5	3.8	-0.2
11th	0.8	-3.8	-1.5	-1.6	-1.2	0.5	-1	-0.8	0.7	1
12th	-3.5	1.6	-1.2	1.7	0.7	-0.1	-0.1	1	-0.4	0
13th	-3.4	0.2	-2.5	0.9	0.3	-0.3	-0.6	0.5	-0.2	0
14th	0.4	1.3	-0.3	0.7	-0.6	-0.3	-0.5	-0.1	0.5	-0.6
15th	7.4	6.4	3.5	0.2	-3.4	-1.6	-4.2	-1.5	3.9	1.1
16th	-0.7	3.9	0.9	1.1	-0.4	-1.6	-0.8	-2	1.1	1 8
17th	0.9	-0.6	0.3	-0.1	-0.2	0.5	-0.1	0.5	0.2	0.2
18th	2.2	-1	0.3	-0.4	-0.8	0.9	-0.5	0.7	-0.5	0.4
19th	0.6	0.7	0	0	-0.4	-0.1	-0.1	0	-0.4	-0.5
20th	1	-2.3	-0.1	0.3	0.3	1.4	0.1	-0.6	0.4	1.4

D-645

RUN 32   PT 23

V/OR = 0.040   ALFS,U = -2.00   CLRH/S = 0.080675   CTH/S = 0.080698
VKTS = 16.1   MTIP = 0.606   CXRH/S = 0.002064   CP/S = 0.005178

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	22.8		654.3		125.8		1139.8		-198	
RMS	337.9		265.9		288.4		258.6		135.9	
1/2 P-P	655.1		644.2		705.5		567		256.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-54.9	462.3	19.6	321.4	95.2	286.6	142.5	185.1	7.9	178.9
2nd	17.6	-4.8	16.2	-16.2	24.9	-14.4	28.6	-15.3	50.1	18.8
3rd	18.2	-89.6	-5.4	-91.5	-10.8	-110.5	-21.6	-94.3	7	-18.9
4th	-1.8	6.3	-17.8	25.6	-27.2	32.2	-37.7	33.8	-1.6	-27.1
5th	-17.8	32.3	-60.4	145.2	-96.4	220.6	-93.1	235.7	11.1	17.8
6th	10.4	4.9	-0.1	-2.1	-6.1	-6	-12.6	-11.5	1.1	5.6
7th	-4.1	3.7	5.5	8.6	5.1	6.3	-6.1	-2.5	-3.1	-0.6
8th	0.3	3.2	-6.4	14.9	-4.9	9.8	7.1	-5.6	5.8	-3.3
9th	-25	-8.8	-13.7	-2.6	-1.5	-0.7	15.2	5	-1.7	2.6
10th	4.6	-6.4	9.4	-5	1.2	-3.1	-8.1	3.8	0.8	-0.5
11th	24.9	-0.5	23.3	-2.4	12	-3.7	-13.1	-2	3.3	-0.4
12th	9.9	5.8	16	0.5	6.8	1.8	-6.3	0.6	-2.6	0.1
13th	-14.7	8.2	-19.2	21.8	-18.6	17.3	2.8	-4.8	-2.9	1.1
14th	1	1.2	1.6	0.8	2.2	2.4	-1.8	0.4	2.6	-0.1
15th	-0.5	1.2	-7	-2.6	7.4	1	-0.7	-2.1	-2.7	0.6
16th	-0.8	-0.4	-2.5	-0.9	1	5.5	0.8	-1.4	-0.9	2.5
17th	-4.7	-0.2	3.3	-0.2	8.2	-3.1	2.2	0.3	4.2	2.7
18th	-0.7	-0.3	-1.7	1.4	1.2	-2.9	-1.5	1.8	1.4	1.1
19th	-2.6	-0.3	1.1	-1.8	4.8	-3.8	1	-1.8	-0.5	0.2
20th	-4.1	-4.5	2.3	1.6	7.8	0.6	6.2	5.7	0.4	-3.6

D-646

RUN 32　　PT 24

V/OR = 0.060	ALFS,U = -2.00	CLRH/S = 0.080600	CTH/S = 0.080626
VKTS = 24.0	MTIP = 0.603	CXRH/S = 0.002149	CP/S = 0.004734

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	192.4		32.2		224.5		25.2		53.9	
RMS	73.7		55.6		53.9		107.8		51.6	
1/2 P-P	163.7		140.9		120.8		205.9		103.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-11.6	60.7	-23.5	13.5	-30.3	-9.4	-86.5	-21.2	-14.3	-6.9
2nd	13.3	5.6	0.9	-3.9	-1.9	-8	-84.6	-23.2	-50.4	0.3
3rd	-37.6	14.4	-37.8	30.6	-41.2	38.4	-39.5	71	-29.7	12.4
4th	-36.5	-23.9	-33.6	-8.7	-31.3	-3.2	19.5	12	24.4	-4.2
5th	21	-23.2	12.9	-15.4	8.7	-5.8	-8.9	2.6	19.8	-5.9
6th	-19.9	4.8	-17	9.5	-12.5	8.3	12.5	-9.7	1.1	3.6
7th	-22.3	-26.2	-20.7	-15.7	-10.7	-7	5.5	-0.9	-17.1	1
8th	18.7	10	13.8	4	4.4	1.1	4.2	2.9	-3.6	1.7
9th	-10.9	1.2	-7.1	3.2	-1.4	1.4	-4.3	0.8	2.2	-3.8
10th	-11.5	-6.5	-8.4	-2	-0.7	-0.2	-5.5	-1.2	7.7	-1.3
11th	0.8	4	0.3	1.9	-0.9	-0.7	0.5	1	1.4	0.4
12th	-6.5	-2.2	-3	0	1.5	0.1	-0.6	0.5	-1.5	1.5
13th	-4.4	0.9	-2.4	2.5	0.5	0	-0.2	1.3	-1.5	-0.4
14th	2.1	1.4	0.4	1.4	-1	0.1	-0.9	0.2	0.5	-0.6
15th	6.7	1.3	1.7	-0.7	-2.8	0.3	-3.2	0.6	3.3	-1
16th	1	7.1	2.1	1.3	-1.3	-2.7	-2.2	-2.8	2.7	1.7
17th	-2.4	-0.1	-0.3	0	1	-0.4	0.7	-0.4	0.5	0.1
18th	1.8	-3.6	0.2	-1	-0.1	2	-0.3	1.4	0	1.1
19th	6.2	-2.6	0.1	-0.7	-2.2	2.8	-0.3	0.9	-2.8	2.7
20th	-3.9	-0.7	0.5	0.3	1.8	-0.7	-1	-0.4	1.8	-0.7

D-647

RUN 32   PT 24

V/OR = 0.060   ALFS,U = -2.00   CLRH/S = 0.080600   CTH/S = 0.080626
VKTS = 24.0   MTIP = 0.603   CXRH/S = 0.002149   CP/S = 0.004734

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	28.4		668		167.8		1202.3		-144.7	
RMS	347.1		304.7		362.9		341.9		153.7	
1/2 P-P	702.2		705.5		821		734.9		296.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	18.3	453.7	68.6	315.1	144.8	287	173.3	181.5	17	186.5
2nd	46.9	23.1	48.8	4.2	68.6	5	70.1	-2.3	75.4	26.7
3rd	14.3	-167.3	-33	-178.6	-35.7	-225.4	-63.1	-198.2	5.3	-29.2
4th	-17.7	5	-54.1	68.6	-82	98.1	-106.9	113.1	-31.2	-54.4
5th	-29.2	28.4	-57.1	178.8	-84	276.6	-68.5	296	17.7	21.6
6th	19.3	-32.4	-1.1	-8.3	-13.3	12	-38.1	39	3.6	2.1
7th	8.9	-0.3	11.5	23.9	-1.1	31.2	-32.7	14.9	-6.1	6.7
8th	6.4	1.9	-4	-0.8	3.3	3.2	18.9	8.2	4.6	0.7
9th	2.3	7.1	12.1	1	8.2	-1	0.2	0.7	6.9	-2.4
10th	-3.2	11.6	10.7	11.2	3	3.2	-6.7	-6.3	0.5	1.7
11th	16.6	-9.9	10.6	-15.4	6.4	-5.5	-5.7	6.8	1.2	1.7
12th	13.9	5.1	21.8	-0.1	6.2	-0.3	-9	-1.1	-3.2	1.7
13th	-6.7	15.2	-0.9	26	-6	20.9	-1.1	-5.7	3.5	-0.7
14th	1.9	0.3	2	3	4.1	4.6	-1.3	1	4.1	-2.2
15th	1.2	1.8	-7.1	6.6	2.4	3.4	-2.4	-0.2	-1.4	1.5
16th	-0.1	0.2	3.5	-3.6	12.4	5.3	2	-3.1	-3.6	-2.7
17th	-0.6	1.1	1.8	-2.2	-1	-2	1.9	-1.6	1.2	-1.6
18th	-2.4	-0.1	0.6	2.4	2.5	-6.1	1.8	3.3	0.6	1.1
19th	-6.7	-0.1	0.6	1.2	12.8	-12.5	1	2.2	1.6	3.2
20th	-2.9	-4.8	2.6	-0.2	3.7	5.5	9	1.6	-2.4	-2.1

RUN 32　　　PT 25

V/OR = 0.080	ALFS,U = -2.00	CLRH/S = 0.080372	CTH/S = 0.080393
VKTS = 32.0	MTIP = 0.605	CXRH/S = 0.001992	CP/S = 0.004249

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	193.4		27.9		221.7		-14.6		34	
RMS	86		69.8		67.5		113.9		48.7	
1/2 P-P	204.9		179.4		148.7		219.5		112.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-4.7	55.3	-20.1	9.9	-29.1	-12.3	-71.6	-31.6	-16.7	-12.2
2nd	17.3	1	-0.3	-6.9	-6	-8.7	-72.3	-12.6	-41.9	1.2
3rd	-46	20.5	-47.4	39.4	-51.9	50.1	-57.5	92.4	-19.6	17.3
4th	-47.1	-29.3	-44.8	-9.5	-41.4	-1.1	32	13.7	26.5	-1.6
5th	17	-6.9	12.8	2.5	10.3	12.6	-12.5	-16.2	15.3	-13
6th	-32.2	3	-26.2	11.6	-17.5	11.7	16.5	-15.5	-4.5	1
7th	-28.2	-29.3	-25.8	-15.9	-13.1	-6	8.2	-2.9	-19.9	4
8th	9.4	36.7	11.2	24.9	4	9.1	0	8.1	-1.5	8.4
9th	-18.4	5.4	-10.7	8.1	-1.3	3.1	-6.5	3.7	5.3	-5.6
10th	-12	-9.9	-8.6	-2.9	-0.2	0.9	-5.9	-3.8	8.3	-0.8
11th	22.8	24.3	16	8.6	-2.4	-2.9	10.6	4.4	-6.4	-1.5
12th	-11.5	-0.2	-3.1	1.2	3.6	-0.7	1.1	0.3	-3.5	2.3
13th	-3.8	-4.6	-1.2	0.3	1.5	1.7	0.5	1.6	-3.7	-1.2
14th	4.4	-4.1	1.5	-0.8	-1.1	2.2	-0.4	1.9	1.8	-2.8
15th	1.6	8.9	2.8	2.3	-1.4	-3.4	-2.1	-3.7	4.3	2.6
16th	-3.7	0.7	-0.6	0.8	1.5	-1	1.2	-1.1	-0.2	1
17th	2.5	0.4	0.4	-0.9	-1.2	0.1	-1.3	0.5	-0.4	-0.4
18th	1.6	1.9	0.9	-0.6	-1	-0.6	-1.2	0.1	-0.8	-1.3
19th	1	-0.7	0.1	0.1	-0.3	0.6	0.1	0.1	-0.4	0.8
20th	4.4	0.1	-0.8	-0.3	-2	1	0.9	0.1	-2.1	1.4

RUN 32 PT 25

V/OR = 0.080 ALFS,U = -2.00 CLRH/S = 0.080372 CTH/S = 0.080393
VKTS = 32.0 MTIP = 0.605 CXRH/S = 0.001992 CP/S = 0.004249

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	24		679		213.8		1225.3		-107.3	
RMS	358.6		338.7		416.9		411.8		158.5	
1/2 P-P	748.6		799.9		881		834.9		302.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	76.8	438	104.3	301.8	167.3	275.5	173.4	169.6	27.8	185
2nd	69.5	11.2	73.4	-4.7	103.1	-7.7	100	-11.9	79.9	17.7
3rd	32.6	-215.1	-19.2	-224.2	-18.4	-281.8	-54.8	-249.9	1.1	-37.2
4th	-16.1	14.7	-48.2	108.9	-75.4	153.7	-108.1	177.5	-38.7	-68
5th	-43.5	12.1	-60.1	207.8	-85.4	331.4	-62.8	378	5.5	28.3
6th	10.2	-40.4	-4.3	6.4	-19.3	37.7	-49.7	72.7	-3	3.2
7th	7.5	-14.2	13.9	28.2	1.3	46	-33	36.2	-5.2	4.6
8th	11.5	-1.4	4.1	-19.6	10.2	-7.6	19.3	24	9.5	2.2
9th	7.4	3.6	22.3	-6.8	14.1	-4.9	-1.3	6.1	5.6	-2.3
10th	-7.5	19.5	10.6	20.9	4	5.2	-2.1	-12.5	2	-6.5
11th	-10	-48.6	-44.4	-55.4	-4.7	-16.8	32	33.5	2.3	5.8
12th	21.6	-18.9	23.3	-34.7	2	-18.4	-11.2	11.1	-5.9	-3.4
13th	6.3	13.1	19.1	19.4	7.4	11.2	-5.2	-4.4	3.1	-2.8
14th	1.2	-1.2	4	5.3	8.1	-0.7	-0.9	2.4	6.1	-3.4
15th	-1	-0.2	-2.6	-2.3	7.5	11.2	2.7	-1.2	-5.9	3.7
16th	0.6	-1.6	1.1	-7.7	-2.8	-3.9	1.7	-1.8	-1.5	-2.4
17th	-0.8	2.7	-0.8	0.8	3.7	-2.5	-1.6	-1.8	1.4	-0.7
18th	-2.7	4.1	0.2	0.2	6.6	-2.9	0.2	-2.9	1.5	0.8
19th	0.9	1.2	-2.3	2.1	-3.8	0.3	-2.8	2.7	0.3	-0.3
20th	-13.7	15.4	0.8	-6.4	9.7	-35.3	1.1	-20.2	3.1	0.9

D-650

RUN 32   PT 26

V/OR = 0.100   ALFS,U = -2.00   CLRH/S = 0.079870   CTH/S = 0.079896
VKTS = 40.0   MTIP = 0.607   CXRH/S = 0.002131   CP/S = 0.003774

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	190.9		23.8		107.8		-35.5		20.4	
RMS	96.8		72.9		62.5		103.3		44.7	
1/2 P-P	247.5		182.3		142.6		203.8		114.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	0.5	51.5	-14.5	6.7	-21.9	-16.2	-53	-40.9	-15.1	-17.5
2nd	12.5	1.8	-6.9	-5.5	-15.4	-7.5	-66.3	-7.8	-35.5	-0.8
3rd	-40.8	17.8	-41.4	35.6	-44.4	45.6	-51.5	85.6	-9.7	17
4th	-41.5	-27.5	-39.3	-9.9	-36.8	-2.8	21.9	10.6	23.7	2.3
5th	14	0	12.7	6.8	10.9	14.9	-6.2	-19.4	5.6	-10.8
6th	-35.7	4	-28.4	11.8	-17.9	11.2	14.5	-13.4	-7	-0.9
7th	-32.2	-25.9	-28.3	-13.1	-15	-4.9	3.9	-3.7	-17.4	1.6
8th	4.5	46.3	9.5	32.4	3.6	11.9	1.9	8.8	-0.3	11.6
9th	-24.9	11.9	-13.3	13.6	-0.8	4.9	-8.3	6.8	7.1	-3.9
10th	-9.2	-15.7	-7.8	-6.7	-0.6	1	-6.2	-5.4	7.2	-1.6
11th	61.5	47.9	40.7	13.9	-6.1	-5.5	25.7	5.1	-18.9	-3.3
12th	-17	2.3	-5.4	3.4	4.4	-1	0.6	0.7	-2.8	4.7
13th	-1.2	-10.7	-1.6	-3	0.8	3.4	0.9	2.5	-3.3	-2
14th	9.3	-1.8	3	-2.2	-3	1.2	-2.6	1.4	2.6	-5.6
15th	-1.6	10.8	3.2	3.4	0	-4.1	-1.2	-5.3	3.9	3
16th	-3	-8.9	-2.4	-1.5	2.5	2.9	4	2.9	0.6	0.3
17th	5.4	1.2	1.1	-0.4	-2.5	0.6	-2	1.1	-0.3	1.3
18th	2.2	3.9	0.3	0.1	-1.9	-1.2	-1.2	0	-3.6	-1.3
19th	-2.9	1.4	0.1	-0.4	1	-1.5	-0.3	-0.5	0.7	-2.6
20th	3.2	-3.6	-0.5	-0.1	-0.5	2.5	0.8	-1	1	2.7

RUN 32   PT 26

V/OR = 0.100   ALFS,U = -2.00   CLRH/S = 0.079870   CTH/S = 0.079896
VKTS = 40.0   MTIP = 0.607   CXRH/S = 0.002131   CP/S = 0.003774

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	13.1		676.3		224.1		1253.4		-86.7	
RMS	357.8		333		386.9		376.8		156	
1/2 P-P	736.6		805.4		836.4		773.4		288.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	88.7	442.5	98.1	310	138.9	288.3	122.5	181.9	40.5	185.4
2nd	75.2	15	84.6	-6.4	125.7	-12.3	128	-17.5	65.8	16.9
3rd	23.7	-192.3	-17.2	-197.8	-14.4	-251.3	-46.6	-220.3	-0.7	-37
4th	-2.8	22.3	-23.1	107.5	-39.9	151.5	-73.4	166.3	-34.7	-63.9
5th	-30.2	13.7	-12.5	184.2	-10.5	293.2	21.7	339.3	6.7	25.4
6th	7	-36.9	7.5	9.6	-0.6	42.7	-33.5	74	-8.1	3.2
7th	12.5	-17.9	21.6	21.8	9.9	41.7	-33.2	35.5	-4.9	1.4
8th	12.5	-4.6	5	-31.7	8.6	-18.5	17.1	26.3	11.4	8.3
9th	10.8	-2.6	26	-15.8	12.6	-8.9	-5.9	11.4	0.5	-1.1
10th	10.9	25.9	22.9	27.9	7.6	5.3	-11.9	-23.6	2.1	-12.8
11th	-40.4	-65.6	-111.3	-70.5	-13	-16.4	78.2	46.7	1.7	8.1
12th	10.1	-10.7	17	-22.4	-5.4	-8.4	-7.4	7.5	-7.7	-6.2
13th	8	7.6	18.5	15.3	8.8	0.3	-6.3	-5.3	3.1	0
14th	2.5	-0.6	5.4	2.6	17.4	-3.2	-1.3	0.4	8	3.2
15th	-2.2	-0.9	-2.2	-1.3	4.6	15.9	5.8	0.3	-11.8	-2.5
16th	0.6	-0.4	0.3	-2	-10.8	-13.1	1.2	0.4	7.1	3.4
17th	-0.5	2	-2.2	-0.2	7.2	-4.9	-3.2	-0.6	4.6	0.2
18th	1.1	4	-1.4	0.3	2.8	0.3	-4.6	-3.1	-0.4	3
19th	-0.4	2.1	0.6	-1.8	-3	0.7	2.4	-4.2	-1.9	-4.1
20th	-1.8	21.7	-2.9	-4.7	-16.8	-35.5	-11.3	-15.9	3.7	0.6

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RUN 32   PT 27

V/OR = 0.125   ALFS,U = -2.00   CLRH/S = 0.080441   CTH/S = 0.080465
VKTS = 50.1   MTIP = 0.605   CXRH/S = 0.002097   CP/S = 0.003402

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	185.1		19		247.5		-50		11.5	
RMS	72.1		51		48.2		86.3		35.1	
1/2 P-P	155.4		124		101.8		163.6		87	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	1	50.9	-7.2	2.4	-11.2	-23.5	-34.2	-47.3	-12.6	-15
2nd	8.1	5.2	-9.5	-1.6	-19.7	-2	-57.5	2	-28.3	3.1
3rd	-26.3	13.5	-26.8	24.7	-28.9	31.8	-30	73.9	-2.9	13.8
4th	-34.7	-24.1	-33.4	-10.1	-30.3	-2.6	19.4	9.4	20.7	-0.5
5th	-4.4	4.4	-0.4	12.4	0.7	17	2	-25.1	0.8	-9.8
6th	-25.3	8.9	-18.9	12.9	-10.3	10	10.6	-12.9	-9	1.1
7th	-22.1	-2.8	-16.4	1.7	-9	1.6	1.2	-1.8	-8	3.6
8th	4.7	27.1	7.8	19.5	2.2	6.6	-2.9	4.8	3.7	5.5
9th	-10.4	15.9	-2.9	13.1	1.9	3.9	-3.1	6.3	3.9	-2.2
10th	-5.4	0.4	-3.4	1.1	-1	-0.1	-0.8	-0.1	1.7	-2.3
11th	50.8	14.8	29	-1.3	-5.8	-3.2	16.8	-2.1	-14.3	1.5
12th	-5.8	10.9	0.1	5.8	2.1	-2.4	0.4	3	-1.5	1
13th	-4	-6.1	-2.5	-0.9	1.5	2.1	1	1.3	-0.6	-0.7
14th	8.4	-9.7	0.4	-4.1	-2.4	3.7	-1.2	2.4	2.5	-6
15th	4.3	3.2	3	-0.9	-1.6	-1.2	-2.5	-0.8	2.2	-1.1
16th	-9.3	-2.5	-2.3	2.4	4.1	0.2	4.6	0.2	-2.6	1.8
17th	3.6	-4	0.6	-0.7	-0.7	2.7	-1.3	3.6	1	0.9
18th	4.9	3.3	1.5	0.2	-3	-0.2	-2.3	-0.8	-0.3	0.3
19th	-4.6	8.4	0.8	0.3	-0.2	-4.9	0.2	-2	0	-4.8
20th	1.2	-10.8	-1.1	0.8	2.6	5.6	1.1	-1.5	1.4	5.9

D-653

RUN 32   PT 27

V/OR = 0.125   ALFS,U = -2.00   CLRH/S = 0.080441   CTH/S = 0.080465
VKTS = 50.1   MTIP = 0.605   CXRH/S = 0.002097   CP/S = 0.003402

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-1.8		669.6		225.8		1265.9		-86.3	
RMS	349.4		290.1		320.5		292.4		150.3	
1/2 P-P	674.7		695.3		704.1		640.1		291.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	52.3	466.9	52.8	335.6	71.8	322.6	56.9	215.4	42.8	186.3
2nd	57.3	5.3	66.7	-15.4	112.8	-29.6	117.3	-42.9	48.2	18.5
3rd	-0.2	-129.7	-26.8	-126.2	-26.2	-158.3	-45.8	-145	0.7	-27.7
4th	5	19.9	13.7	85.7	17.8	115.6	-12.3	126.9	-36.5	-53.8
5th	-5.7	-1.2	39.1	113.1	67.3	186.8	89	225.4	-0.4	5.3
6th	-4.1	-24.3	7.7	6.1	5.6	31	-3.7	47.7	-9.3	12
7th	5.6	-15.4	14.4	4.8	12.4	21.9	-15.6	33.1	-2.7	2.6
8th	6.7	-5.2	-0.2	-21.9	6.3	-11.3	9.1	17.2	10.3	3
9th	2.9	6.2	11.4	-10.4	5.4	-8	8.7	2.9	-3.4	0.3
10th	11.4	18	16.1	9.6	8.3	3	-5.8	-9.6	-4.4	-7.5
11th	-30.7	-33.5	-78.5	-25	-7	-8.9	49.8	15.1	2.4	4.3
12th	7.8	-0.9	7.8	-15.9	-2	-1.2	-2.2	4.3	-5.1	-2.1
13th	10.4	4.5	22.5	8	8.6	1.4	-3.7	-1.7	2.6	-2.5
14th	1.3	-1.6	4.6	6.3	11.2	-7.6	-2.6	2.3	16.2	-4.6
15th	-1.6	-1.2	-2	4.6	8.9	6.8	2.2	-2.8	-12.5	6.8
16th	1.3	-1.3	4.7	-8.8	-10.7	-7.3	4	0.4	7.4	-11.1
17th	-0.4	1.3	-0.3	3.1	1.9	-8.3	0	4.3	-0.6	-2.5
18th	2.9	0.4	-7	1.7	0.3	2.8	-8	1.8	-2.3	0.7
19th	-0.7	0.7	-2.1	-6.2	0.2	8	-0.1	-11.4	-4.4	0.1
20th	0.2	14.1	1.2	-0.4	-18.1	-28.7	-0.4	0.8	10.4	-2.4

D-654

RUN 32   PT 28

V/OR = 0.201   ALFS,U = -2.00   CLRH/S = 0.079663   CTH/S = 0.079693
VKTS = 80.4   MTIP = 0.605   CXRH/S = 0.002266   CP/S = 0.002941

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	177.8		16.1		200.5		-72.4		4.8	
RMS	63.2		40.7		46.6		83.2		33.9	
1/2 P-P	140.4		94.8		93.3		161.5		101.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	18.7	36.7	17.5	-18.4	21.7	-50.4	21.4	-71.8	-10.7	-21.1
2nd	6.7	17.1	-6.1	15.4	-15.6	18	-62.6	19.1	-16.7	7.8
3rd	-3.6	0.2	-1.3	1.9	-2.7	8	-1.1	52.7	-4.5	10.6
4th	-8.7	-12.9	-9	-9.9	-9.1	-6.8	1.1	10.1	10.1	3
5th	0.5	7.5	4.3	9.5	3.9	11	-3.9	-14.8	0.3	-6.8
6th	-11.1	5.3	-6.2	7	-2.9	4.9	5.7	-6.3	-8.2	-0.3
7th	10.1	7.3	8.2	4.8	5.7	2.5	-2	-1.6	1.2	5.3
8th	5	31.3	8.2	20.8	4.5	7.9	-4.1	3.3	10.5	5.4
9th	7.1	13.4	8.8	4.5	3.5	-1	1.4	1.5	4.5	-3.8
10th	13	0.3	8.6	-3.5	0.9	-1.9	8	-4.7	-8.5	1.9
11th	21.6	-51.8	2.7	-31.6	-1.4	4.4	3.8	-21.1	-6.2	19.4
12th	24.1	-5.5	8.7	-6.9	-4.6	1.9	1.3	-1.8	1.3	2.7
13th	7.1	-1.8	1.2	-2.5	-1.9	0.7	-3.1	2.3	4.6	-4.4
14th	-10.5	1.8	-3.1	2.2	3.8	-1.5	2.4	-1	-3.9	-1.6
15th	-20.2	-3.1	-7.1	4.3	7.9	-0.8	9.8	-4.5	-9.9	5.6
16th	3.8	-3.5	0.7	-1.6	0.2	1.7	0.1	-0.2	1.1	4.1
17th	-0.3	10.3	1.2	0.7	-0.5	-4	-1.7	-2.6	2	1.3
18th	-5	10.2	0.9	0.5	0.3	-4.9	-1.1	-0.3	-0.3	-5.7
19th	-6	-2.5	-0.3	-0.4	3.1	-0.2	-0.1	1.1	0.7	-2.9
20th	20.6	0.2	-1.5	-1.7	-9.5	5.4	0.8	0	-11.3	5.4

D-655

RUN 32 PT 28

| V/OR = 0.201 | ALFS,U = -2.00 | CLRH/S = 0.079663 | CTH/S = 0.079693 |
| VKTS = 80.4 | MTIP = 0.605 | CXRH/S = 0.002266 | CP/S = 0.002941 |

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-12.7		664.1		235.3		1280.3		-76.4	
RMS	375.1		309.2		335.9		275.8		147.6	
1/2 P-P	574.5		545		599.9		514.6		266.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-22.8	520.1	-58.2	404.5	-107.3	425.5	-122.6	309.7	65.2	186.1
2nd	54.1	-12.7	56.8	-38.5	93.2	-69.8	103.6	-81.6	34.1	28.7
3rd	-37.5	-18.4	-58.9	-2.1	-68.1	-14.3	-59.5	-28.9	6.7	-22.3
4th	-6.6	13.5	1.8	57.4	6.1	83.6	4.1	72.1	-14.5	-24.4
5th	-25.6	-25.1	-11.6	30.1	-3.6	63.3	9.4	80.3	-19	-4.7
6th	-18.6	-12.5	0.3	2.9	11.1	15.2	14.2	21.6	-7.7	2.8
7th	-11.7	-10.7	-7.6	-2.8	-2.6	6.2	18.5	11.1	1.1	7.6
8th	-4.4	-10.2	-7.6	-22.5	-4.5	-13.1	1.3	12.6	0.6	7.1
9th	-5.4	19.7	-5.8	5.9	-2.6	0	4.6	-15.4	-0.1	1.8
10th	9	6.4	-0.9	5.3	2.3	3	11.7	-11.3	-2.2	8.7
11th	-29.5	45.2	-19.7	89.6	-8.7	11.3	19.2	-64.7	0.7	3.5
12th	-5.8	22.3	-16.3	35.2	4.6	8.9	5.3	-16.3	7.6	6.9
13th	-7.1	-8.2	-20	-3.1	-9.5	-7.2	1.7	0.4	7.8	1.1
14th	0	-2.6	4.3	-7.8	-9.7	1.1	2.5	-0.3	-2.7	-9.3
15th	3.6	-2	9.6	-2.1	-25.5	10	4.4	3.4	7.5	-12.6
16th	0.4	0.8	-0.9	2.3	-3.1	-4.3	1.7	2.6	-11.5	1.6
17th	3.6	-2	-4.3	-1.6	-3	13.8	-1.5	-4.6	-7.1	-1.6
18th	0.4	-4.2	0.3	-4.4	2.8	13	2.1	-9.2	-1.8	8.9
19th	6.5	-2.6	-0.6	2.9	-14.4	8.6	2.5	3.6	-2.8	3.4
20th	-8.5	-5.3	-3	8.1	32.3	-13	-11.5	13.9	10.1	7

D-656

RUN 32   PT 29

V/OR = 0.251   ALFS,U = -2.00   CLRH/S = 0.080054   CTH/S = 0.080080
VKTS = 100.1   MTIP = 0.605   CXRH/S = 0.002131   CP/S = 0.002940

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	177.8		15.8		156.3		-79.5		2.6	
RMS	56.3		48.3		63.7		99.1		31.7	
1/2 P-P	131.3		99.2		110.6		174		92.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	34	27.3	33.9	-31.5	41.4	-67.5	51.7	-89.1	-14	-26.4
2nd	6.6	23.3	-6.1	29.2	-13.3	35.8	-65.5	28.2	-13.8	11.8
3rd	4.9	3.7	9.6	0.9	10.3	3.1	1.7	53.9	-5.7	12
4th	3.6	-3.8	2.7	-4	-0.8	-4.9	-3	20.1	3.2	6.9
5th	3.3	4.2	6.3	6.2	4.6	6.9	-5.9	-10.9	4.1	-2
6th	-6.9	3.1	-4	4.1	-1.6	3.7	1.6	-5.6	-3.6	-5.3
7th	1.7	14	4.1	9.1	0.8	3.9	-1.4	-2.1	-5.9	0
8th	-29	14.2	-15.3	13.9	-4.4	4.2	-8	-0.9	-2.9	4.1
9th	-8.8	7.6	-4	7.1	-0.9	2	-5.1	4.5	6.3	-0.4
10th	15.7	4.9	9.7	1.1	-0.2	0.9	5.6	3.7	-0.9	-3.3
11th	22.3	39.9	20.1	15.5	-0.1	-4.1	11.9	8.9	-11.3	-7.7
12th	-0.6	1	0.2	0.4	0	0	-1.2	-1.6	-1.1	3
13th	6.1	-9.8	1.6	-5.9	-0.3	2.5	-1	-1.5	3.2	1.6
14th	6.9	-5.1	0.3	-4.2	-2.2	2	-1.5	1.5	3.5	-3.6
15th	-2.1	2.3	-0.8	1	-0.1	-0.8	1.1	-0.1	-3.8	-0.4
16th	-8.3	-2.5	-2.4	2.2	3.4	0	4.8	-0.9	-6.2	2.6
17th	-1.8	-3.1	-1.3	0	1.5	0.5	2	-0.4	-0.1	1.9
18th	4	3	0.9	-0.3	-2.2	-0.7	-1.2	-2.1	1.4	-1.3
19th	8.7	10.1	0.5	-0.6	-6.6	-2.5	-0.2	-0.4	-6.7	-4.1
20th	-8	9.7	0.9	0	0.6	-6.5	1	1.7	-1.3	-6.2

RUN 32 PT 29

V/OR = 0.251 ALFS,U = -2.00 CLRH/S = 0.080054 CTH/S = 0.080080
VKTS = 100.1 MTIP = 0.605 CXRH/S = 0.002131 CP/S = 0.002940

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-6.5		673.4		250		1287.9		-85.2	
RMS	384.5		336.6		403.9		341.2		147.8	
1/2 P-P	577.8		555.3		625		615.3		257.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-20.3	529.7	-91.3	428.6	-184.6	477.7	-196.6	358.2	89.8	178.5
2nd	56.7	-39.5	61.8	-70.9	91.5	-123.9	100.5	-134.1	33.1	28.6
3rd	-56	10.2	-86.9	31.8	-116.1	37.5	-103.4	6.1	4.8	-13.2
4th	-8.3	16.7	3.6	60.1	15.1	98.1	15	97.9	-2.4	-16.6
5th	-51.4	-32.6	-74.2	25.7	-88.5	62.8	-76.8	82.1	-14.3	-8.3
6th	-27.5	-5.7	-16.1	6.3	-9.1	9.1	-7.1	9.8	-16.1	-5.8
7th	-4.9	-14	-0.6	-4.3	11.1	11.6	13.7	21.5	-6.6	4.4
8th	2	-7.9	20.7	-20.1	13.7	-11.4	-11.5	3.7	-12.2	2.1
9th	8.9	5.1	11.7	-8.7	4.4	-9.6	-10.4	-2	7.4	0
10th	5.2	-5.3	-10	-4	0	-2.4	5.3	8.1	1.4	0.2
11th	-29.3	-19.3	-56.9	-33.5	-8.5	1.5	38.1	30.8	-6.5	6.5
12th	5.4	27.1	15.6	27.4	10.3	16.3	-4.5	-11.8	3.4	2.7
13th	3.8	-0.4	4.7	2.8	5.9	-12	-0.4	-5.5	-4.8	4.6
14th	0.9	1.7	-5.4	4.2	-0.1	-8.8	-2.5	-1.8	7.8	3.8
15th	-0.4	-0.2	-0.1	-1.8	-0.4	1.8	-3.5	1.7	4.3	0.6
16th	-0.1	0	6	3.3	-6.9	8.7	0.8	4	4.7	-15.6
17th	2.2	-0.5	2.6	1.7	-4.5	2.1	0.6	0	-6	4
18th	0.4	-6	-3.7	4.3	5.8	12.2	-3	3.3	-8.9	-1.7
19th	6.3	-6.3	-9.2	1.6	9.5	16	-18.1	2.7	2.3	6.5
20th	11.3	-18.3	-1.5	0.3	-0.4	45.4	-1.2	5.7	-5.3	-0.2

D-658

RUN 32   PT 30

V/OR = 0.100   ALFS,U = -2.00   CLRH/S = 0.080374   CTH/S = 0.080408
VKTS = 40.0   MTIP = 0.606   CXRH/S = 0.002357   CP/S = 0.003843

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	191.5		24.6		155.7		-34.4		20.8	
RMS	92.4		70.7		62.5		103.4		44.3	
1/2 P-P	242.1		180.9		139.6		203.2		112.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	5.3	48.6	-12.2	5	-21.1	-16.8	-53.5	-40.9	-14.9	-17.5
2nd	14.2	1.4	-5.9	-5.8	-14.3	-7.6	-66.1	-7.9	-36.2	-0.7
3rd	-41	16.9	-41.7	35.1	-44.7	45.5	-51.8	86	-10.3	17
4th	-41.4	-27.2	-39.2	-10	-36.4	-2.9	21.7	10.7	23.8	2.4
5th	14.5	1.9	13.7	8.8	11.9	16.8	-7.2	-21	5.8	-11.2
6th	-36.3	3.5	-28.8	11.3	-18	10.8	14.6	-13.1	-6.9	-0.8
7th	-29.5	-29	-26.7	-15.5	-14	-5.8	4.3	-3.7	-17	0.7
8th	5.1	44.7	9.7	31.6	3.8	11.9	1.9	8.6	-0.5	11.1
9th	-24.3	10.3	-13.5	12.3	-1.3	4.5	-8.4	6.2	6.9	-3.9
10th	-9.2	-16.2	-7.9	-6.7	-0.6	1.2	-6.1	-5.7	7.5	-1.2
11th	50.1	45.2	34.2	14	-4.8	-5.9	21.9	5.3	-15.8	-3.4
12th	-17.1	1.1	-6	3	4.2	-0.8	0.2	0.7	-2.7	4.3
13th	-0.8	-10.1	-1.4	-3	0.7	3.2	0.8	2.4	-3.4	-2
14th	8.3	-0.7	3	-1.9	-2.8	0.8	-2.5	0.9	2.6	-5
15th	-3.2	9.8	2.6	3.4	0.7	-4	-0.4	-5.2	3.2	3.1
16th	-3.8	-7.4	-2.2	-0.9	2.5	2.2	3.9	2.2	0.4	1
17th	4.2	1.8	0.8	-0.1	-2.2	0.1	-1.7	0.5	-0.8	1.3
18th	2.3	3.6	0.3	-0.2	-2	-1.1	-1.3	0.1	-3.8	-1.3
19th	-1.2	1.5	0.1	-0.6	0.1	-1.1	-0.4	-0.3	-0.3	-2.2
20th	2.3	-4	-0.5	0	-0.1	2.4	0.8	-1	1.2	2.8

D-659

RUN 32   PT 30

V/OR = 0.100   ALFS,U = -2.00   CLRH/S = 0.080374   CTH/S = 0.080408
VKTS = 40.0   MTIP = 0.606   CXRH/S = 0.002357   CP/S = 0.003843

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	20.2		681.8		225.4		1253		-114.5	
RMS	359.1		332.6		389		380.8		159.8	
1/2 P-P	738.1		815.4		859.8		795.4		297.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	86.5	445.5	94.2	314	137.5	291.6	122.6	183.2	49.5	185.7
2nd	77.9	14	85.5	-6.6	125.5	-12.6	126.8	-17.6	69.2	16.8
3rd	21.1	-190.5	-20.9	-193.5	-19.1	-246.6	-50.9	-216.9	1.8	-40.6
4th	-2.2	23.5	-22	109.5	-38.7	153.2	-72.3	168.8	-37	-65.8
5th	-30.6	13.9	-6.2	187.6	-0.6	299.3	34.2	348.7	7.6	26.8
6th	7.3	-36.8	8.8	8.9	0.6	40.7	-32.8	72.2	-10.8	5.8
7th	12.1	-18.9	18.5	24.7	5.4	45	-36.2	36.3	-6.5	-1.4
8th	12.3	-4.9	4.2	-30.3	7.8	-16.8	17.2	27.3	12.8	7.7
9th	14	-3.4	27.9	-15.4	13.6	-8	-8.1	12.2	0.7	-1.5
10th	12.5	24.2	23.9	26.4	7.4	5	-12.6	-21.8	2.5	-14
11th	-39.4	-65.3	-101.4	-70.8	-15.4	-15.2	71.2	46	2.9	8.5
12th	5.6	-10	12.3	-19.3	-8.2	-7.3	-6	6.3	-8.2	-6.4
13th	5.1	5.4	13.2	14.2	4.9	0.4	-4.9	-5.1	2.7	-3.9
14th	2.2	-1	5.1	1.3	16.5	-2.4	-1.2	0.3	6.3	4.7
15th	-1.9	-1.3	-2	-1.4	3.1	15.9	5.9	0.4	-15.9	-3.4
16th	0.6	-0.8	-0.2	-4.2	-10.6	-12.7	1	-0.1	7.5	1.5
17th	0	0.8	-1.8	-0.3	6.3	-2	-3.3	-0.5	2	2.4
18th	1.4	3.3	-1.8	1.2	3.1	1.9	-4.9	-2.2	-0.4	0.8
19th	0.3	0.5	-0.5	-0.3	-1.1	1.6	0.2	-2.2	-2.6	-4.2
20th	1.3	20.3	-3.7	-4	-20.8	-31.2	-12.6	-13.3	3.8	0.1

D-660

RUN 32   PT 31

V/OR = 0.080   ALFS,U = -2.00   CLRH/S = 0.080270   CTH/S = 0.080297
VKTS = 32.1   MTIP = 0.603   CXRH/S = 0.002172   CP/S = 0.004268

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	192.8		28.5		160.7		-13.3		35.9	
RMS	82.1		67.6		66.6		112.8		48.4	
1/2 P-P	195.5		173.7		145.1		214.9		109.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-0.3	52.1	-17.9	8.3	-27.8	-12.8	-72.6	-30.9	-16.2	-10.7
2nd	18	1	0.3	-6.9	-5.7	-8.9	-71.7	-11.9	-42.5	2.2
3rd	-44.7	19.9	-46.5	38.9	-50.8	49.9	-55.6	91.5	-19.5	16.7
4th	-47.6	-27.8	-44.5	-8.5	-40.8	-0.5	31.7	12.8	26.3	-3.2
5th	16.1	-3.7	12.7	5.3	10.4	14.8	-12.2	-17.9	15.3	-13.8
6th	-30.7	2	-25.3	10.6	-17	11	16.6	-15.2	-4.2	1.5
7th	-27.8	-28.7	-25.5	-15.4	-12.9	-5.6	8.2	-3	-19.5	4.5
8th	6.6	33.7	8.7	23.6	2.7	9	-0.2	7.5	-2.2	8.2
9th	-17.1	6.9	-9.9	8.6	-1.4	3	-6.2	3.6	5.2	-5.6
10th	-12.7	-6.5	-8.4	-0.7	-0.2	1.1	-5.4	-2.2	7.5	-2.1
11th	18.3	20.9	12.8	7.5	-2.5	-2.6	8.5	4.1	-5.2	-1.6
12th	-11.4	2.2	-3.2	2.1	3.1	-1.4	0.6	0.2	-2.6	2.6
13th	-3.4	-3.4	-0.7	0.3	1.5	1.3	0.9	1.3	-3.5	-0.4
14th	2.9	-3.4	1.3	-0.4	-0.5	1.9	-0.2	1.5	1.2	-2.4
15th	5	5.8	3.1	0.7	-2.3	-1.6	-3	-1.8	4.6	0.5
16th	-3.8	1.4	-0.6	0.9	1.3	-1.2	1.1	-1.4	-0.1	0.6
17th	1.8	0.8	0.2	-0.9	-1	0	-1.1	0.3	-0.2	-0.1
18th	1.1	1.5	0.8	-0.8	-0.8	-0.5	-1.2	0.3	-0.8	-1
19th	0.4	-2	0.1	-0.3	0.2	1	0	0.1	-0.2	1.1
20th	3.9	1.3	-0.8	-0.3	-2.2	0.4	0.9	0.3	-2.4	0.5

RUN 32   PT 31

V/OR = 0.080   ALFS,U = -2.00   CLRH/S = 0.080270   CTH/S = 0.080297
VKTS = 32.1   MTIP = 0.603   CXRH/S = 0.002172   CP/S = 0.004268

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	32.1		681		213.1		1218.2		-138.9	
RMS	358.5		335.8		411.8		407		159.5	
1/2 P-P	740.1		786.9		878		819.5		316.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	73.9	439.8	99.5	305.8	162.2	278.2	171.2	171.9	38.7	182.7
2nd	71	13.4	73.3	-2.7	102	-5.8	99.3	-11.5	82	15.3
3rd	29.7	-213.6	-21.5	-220.5	-20.5	-278.6	-55.5	-245.8	3.3	-36.7
4th	-14.5	14.3	-42.6	105.3	-67.3	148.1	-98.9	172	-46.3	-66.6
5th	-41.7	14.4	-46.7	208.1	-63.3	331.2	-38	379.2	8.4	26
6th	10.6	-40.3	-5.2	8.3	-20.9	40.3	-50.9	74.9	-2.2	6.7
7th	6.5	-13.3	13.9	29.1	2.2	47.6	-31.1	37.8	-4.2	3.6
8th	13.2	-2	6.8	-18.5	12.5	-6.6	17.6	23.4	10.5	2.1
9th	11.5	0.6	23.4	-10	14.3	-4.6	-3.3	9.3	4.7	-3.2
10th	-2.8	18.7	13.5	16.1	4.9	4.3	-4.3	-9.1	3.2	-6.7
11th	-12.8	-41	-40.7	-45.5	-5.3	-12.6	28.8	26.9	4.9	6
12th	11.9	-26.2	9.1	-40.6	-5.2	-18.8	-6.3	14	-7.6	0.1
13th	5.3	11.9	17.2	17.5	6.6	10.9	-4.7	-4.3	1.5	-4.6
14th	1.4	-2.1	4.3	1.7	7.3	-2.1	0	2.2	5.7	-5.3
15th	-1.2	-0.9	-4	0.1	9.7	5.7	2.2	-0.9	-4.8	6.4
16th	1	-2	0.2	-12.2	-3	-8.4	1.6	-3.8	-0.5	-3.8
17th	-0.4	1.7	-1.3	0.2	3.3	-1.9	-1.8	-1.9	0.4	-0.3
18th	-1.8	4.6	0	0	5	-4.1	-0.1	-3.4	-0.4	-1.3
19th	0.8	-0.3	-1.4	3.8	-3.1	2.3	-0.7	5.3	0.4	-0.1
20th	-10.5	15.9	-0.9	-7.2	5.2	-31.8	-3.3	-20.7	3.5	2.8

RUN 32   PT 32

V/OR = 0.030	ALFS,U = -2.00	CLRH/S = 0.079117	CTH/S = 0.079146
VKTS = 12.2	MTIP = 0.609	CXRH/S = 0.002209	CP/S = 0.005401

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	194.9		37.9		178.8		72.9		85.2	
RMS	54.6		26.6		18.6		79.2		34.5	
1/2 P-P	127.1		70		39.3		128.7		68.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-27.3	65.6	-23.7	19.5	-21	-2.1	-106.3	-18.3	-20.6	-4.2
2nd	3.1	7	0.8	2.5	0.7	0.7	-19.2	-7.8	-39.9	-0.6
3rd	-1.7	0	-4	5	-5.6	7.6	-11.3	13.4	-7.3	1.2
4th	-2.9	-6.1	-4.8	-3.8	-5.5	-2.8	4.7	4.7	11.8	-1.7
5th	8.7	-10.1	1.5	-8.8	-1.9	-5.7	2.1	6.1	6.8	1.2
6th	-5.3	0.2	-5.7	1.1	-4.8	0.8	4.2	-1.1	-2.5	2
7th	-12.2	-6.6	-9.6	-2.2	-4.7	-0.2	1.5	-1.6	-6.3	-0.1
8th	-6.7	7.5	-3	6.9	-0.9	2.9	-1.4	1.5	-0.4	0.7
9th	-4.3	1.9	-1.4	3.7	0.5	2.4	-1.5	1.2	2	0.5
10th	3.3	-3.3	1.6	-1.8	0.1	0.4	1	-1.4	-0.4	1.4
11th	9.7	13	7.4	4.5	-0.8	-1.9	4.8	2.2	-3.7	-2
12th	1.5	-3	0.1	-1.6	-0.1	0.6	-0.1	-0.5	-0.5	0
13th	1.8	-1.8	-0.1	-1.7	-0.6	0.3	-0.8	-0.3	0.7	0.1
14th	-1.8	2.6	-0.5	0.6	0.3	-1.3	0.1	-1.2	-0.1	1.4
15th	-6.7	0.4	-1.7	1.2	2.4	-0.8	2.6	-1.4	-2.4	0.9
16th	-0.8	1.7	0.2	0.4	0	-0.7	-0.2	-0.9	-0.1	0.4
17th	0.1	1.7	0.7	0.3	-0.4	-0.6	-0.8	-0.6	0.6	0.4
18th	0.1	-0.8	0	0	0.1	0.5	0.1	0.2	0.2	0.5
19th	1.1	-0.5	-0.3	-0.3	-0.2	0.7	0.2	0.2	-0.5	0.4
20th	-1.3	0	-0.1	0.2	0.6	-0.2	-0.1	-0.1	0.4	-0.2

D-663

RUN 32   PT 32

V/OR = 0.030   ALFS,U = -2.00   CLRH/S = 0.079117   CTH/S = 0.079146
VKTS = 12.2   MTIP = 0.609   CXRH/S = 0.002209   CP/S = 0.005401

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	35.6		670.1		144		1123.6		-226.5	
RMS	320.7		229.4		220.3		182.2		119.3	
1/2 P-P	539.6		482.6		492.5		387.1		205	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-125.9	431.1	-40.1	298.8	34.3	260.4	89.7	166.9	4.7	163.5
2nd	-0.9	-3.3	-3	-9.1	-1.1	-9.7	2.8	-8.5	28.8	12.1
3rd	27.4	-45.1	10.5	-45.7	6.8	-55.1	-0.9	-46.4	12.6	-4.8
4th	2	-0.4	-5.7	11.5	-7.5	16.5	-13.4	17.4	0.4	-16.8
5th	-7.9	25.7	-51.8	87.5	-83.5	128	-94	132.9	8.3	3.5
6th	8.4	-1.1	5.1	-3.4	4.5	-4.4	-4.5	-2	0.4	1.9
7th	-7.9	-8.2	4.4	1.7	9	5.3	0.4	7.8	-4.1	-4.6
8th	0.8	-1.4	3.4	-6.8	1.1	-4.8	-4.1	4.9	-1.5	-1.8
9th	-9	-18.9	-4.8	-13.2	0.1	-4.8	6.2	11.9	-1.2	-1.6
10th	2.8	-0.1	0.1	2	0.1	-0.4	-0.6	-2.2	1	0.3
11th	-2.7	-7.9	-15.6	-13.1	-0.8	0.4	11.7	9.5	-2.3	3.9
12th	0.3	3.8	1.5	6.7	1	0.7	-0.8	-3.4	0.2	-0.3
13th	-8.1	-2.7	-17	0.7	-11.3	-2.6	4	-1.9	-0.9	2.2
14th	-0.1	0.5	-0.9	-1.4	-2.3	2.6	0.2	-1.2	1.1	2.2
15th	-0.7	-0.1	4.3	-6.6	-4.2	-2.7	1.3	0.2	0.4	-3
16th	-0.1	0.4	-5.1	0.4	-6	3.4	-1.4	-0.4	-2.2	1
17th	-1.7	-2.3	0.2	0.7	3.9	4.3	1.3	0	-1.8	-0.4
18th	0.7	-0.5	-1.7	0.8	-2.6	0.3	-1.1	0.8	-0.1	-0.6
19th	1.5	-1.3	0.4	2.5	0.6	2.7	-0.5	3.9	0.2	1
20th	11.1	-2.5	-2.8	2.6	-14.4	13.8	-8.6	8.3	0.8	-0.9

D-664

RUN 35   PT 5

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	174.9		15		23.3		-80.8		-1.4	
RMS	56.7		49.6		65.6		100.2		32	
1/2 P-P	125.2		98.9		117.9		176.9		94.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	38.3	24.6	36.3	-32.9	42.6	-68.9	52.7	-89.6	-14.1	-26.8
2nd	7.1	23	-6.3	29.2	-14.8	37.1	-67.2	27.6	-14.3	11.8
3rd	4.3	4.9	9.5	1.6	11.4	5	2	54.5	-5.8	12.2
4th	4.1	-4.5	2.9	-4.6	-0.4	-4.6	-3.1	20.4	3.5	7.1
5th	1.8	3.3	5	5.6	3.4	6.7	-5	-10.9	4.2	-1.9
6th	-6.9	2.3	-3.9	3.4	-2.1	3.1	1.7	-5.4	-3.6	-5.4
7th	0.7	13.1	3.6	8.4	0.6	3.6	-1.6	-2.3	-6	-0.2
8th	-30.9	13.4	-16.9	13.6	-4.5	4.4	-8.2	-1.2	-3.3	4.3
9th	-8.8	6.9	-4.2	6.8	0	2.4	-5	4.2	6.3	0.1
10th	15	4.1	9.2	0.9	-0.3	1.2	5.3	3.5	-0.7	-3.3
11th	24.8	37.4	20.5	13.9	-1.1	-4.5	12.3	7.9	-11.8	-7.1
12th	1.6	0.9	1.3	0	-0.5	0.2	-0.5	-1.9	-1.7	3.3
13th	7.1	-9.5	2.2	-6	-0.2	3.1	-0.4	-1.7	2.9	1.9
14th	6.5	-4.7	0.6	-4	-2.3	2.1	-1.2	1.1	3.3	-3.4
15th	-0.7	1.1	-0.5	0.5	-1.1	-0.2	0.6	0.5	-3.3	-1
16th	-7.2	-3.4	-2.3	1.8	3.1	0.9	4.4	-0.2	-5.9	2.2
17th	-0.9	-3.1	-1	-0.2	0.9	0.3	1.8	-0.4	0.1	2.1
18th	4.3	2.9	1.1	-0.1	-2.6	-1	-1.2	-2.1	1.6	-0.9
19th	7.9	9.8	0.6	-0.4	-6	-2.5	-0.3	-0.4	-6	-4.2
20th	-6	8.4	0.8	0.1	0.4	-6.2	1.2	1.5	-1.7	-5.1

D-665

RUN 35   PT 5

V/OR = 0.251
VKTS = 99.4

ALFS,U = -2.01
MTIP = 0.605

CLRH/S = 0.080374
CXRH/S = 0.002158

CTH/S = 0.080400
CP/S = 0.003028

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	25		723.8		385		1318.1		-116.6	
RMS	387.6		340.8		412.5		347.3		150.1	
1/2 P-P	583		563.7		649.4		633.7		253.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-15.5	533.8	-90.8	433.9	-186.1	486.5	-199	363.3	92.4	180.6
2nd	59.9	-41.2	64.3	-73.2	94.5	-128	104.5	-136.6	36.1	28.9
3rd	-57.1	12	-89	33.8	-120.7	40.1	-107.1	7.6	5.4	-8.4
4th	-8.9	20.2	3	65.7	14.5	105	14.7	103.7	1.5	-14.6
5th	-52	-30.4	-71.9	30.1	-87	68.2	-74.2	87.3	-13.6	-7.8
6th	-27.7	-4.9	-17.5	7.4	-12.1	9.3	-9.7	8.5	-13.4	-6.9
7th	-7.9	-12.7	0.4	-2.9	13.1	12.2	18.1	20.5	-6.4	7.9
8th	1	-5.9	22.2	-18.8	15.4	-11.6	-10.4	2	-14.9	3.1
9th	9.2	3.5	12.1	-9.1	5.5	-9.9	-9.2	-0.8	2.8	-0.9
10th	8.2	-5.4	-7.2	-3.9	0.4	-2.2	2.8	8.6	2.1	-0.7
11th	-28.1	-14.8	-55.1	-27	-6.5	3.6	37.3	26.5	-6.5	6.5
12th	7.1	24.4	15.2	24.1	11.5	14.2	-3.5	-10.5	-1	2.3
13th	3.9	1.4	5.7	6.1	6.7	-9.6	0.4	-6.3	-4.3	0.8
14th	1.3	0.4	-5.5	2	0.2	-9.8	-1.8	-1.7	7.3	6.1
15th	-0.1	-0.5	-0.1	-0.2	0.8	1.2	-3.7	2.2	6.5	0.2
16th	-0.6	-0.1	5.9	4	-6.4	6.4	1.2	4	6	-13.7
17th	1.9	-1.2	1.9	2.6	-4.1	2.2	0.9	0.4	-3.6	2.5
18th	-0.4	-5.8	-4.1	3.6	6.2	10.6	-2.5	2.8	-5.7	1.3
19th	3.8	-7.2	-7.2	1.2	13.2	15.6	-14.2	1.8	-2.7	5.5
20th	7.9	-23	0.5	2.3	7.6	47.4	3.8	10.4	-4.3	-0.1

D-666

RUN 35   PT 6

V/OR = 0.222
VKTS = 88.2

ALFS,U = -2.01
MTIP = 0.605

CLRH/S = 0.080688
CXRH/S = 0.002352

CTH/S = 0.080721
CP/S = 0.003030

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	174.5		14.4		21.7		-79.2		-1.1	
RMS	52		40.5		53.2		91.9		30.3	
1/2 P-P	124.6		96.4		91.7		162.4		91	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	30.8	30.1	27.1	-24.2	30.9	-58.1	34	-77.7	-11.7	-23.8
2nd	8.2	18.4	-4.9	20.1	-13.7	25.3	-68.2	22.8	-15.4	8.9
3rd	-1.5	2.1	3.8	1.4	4.6	6.1	4.7	61	-4.7	12.1
4th	-4.4	-12.5	-5.2	-11.4	-6.9	-9.4	5.5	16.8	8.7	5.6
5th	-1	-1.1	1.7	2.1	1.6	5.6	-1.7	-11.7	2.3	-5.5
6th	-11.9	2.6	-7.1	3.9	-4.5	2.9	5.4	-5.7	-7.9	-3.5
7th	-3.3	17.9	2	14.6	0.8	6.7	-1.3	-1.9	-4.6	5.7
8th	-21	21.7	-10.1	19.6	-2.2	7	-5.7	2.5	2.6	6.9
9th	4.9	13.7	5	7.4	1.2	1.3	-0.4	2.4	6.8	-0.9
10th	22.8	8.3	14.8	0.3	-0.3	-1	7.2	-3.3	-5.1	-0.1
11th	10.7	7.4	8.3	0.7	0.4	-2.2	4.9	-3.5	-7.8	3.5
12th	15	-8.4	5	-7.3	-2.4	1.4	3.5	-4.4	-2.3	4.9
13th	13.1	-4	4.5	-5.1	-2.9	1.6	1.5	-1.2	1.6	-1.4
14th	5	7.2	1.3	0.6	-1.7	-2.8	-1.5	-2.1	0.3	-0.7
15th	-13.7	7.4	-3.6	5.4	4.9	-3.4	4.3	-4.3	-6.7	4.7
16th	-2.6	-7.9	-3.1	-1.6	1.8	3.8	3.4	4.2	-0.9	-0.5
17th	4.2	2.5	1.6	-1.2	-1.9	-1	-1.4	0.9	3.6	-1.2
18th	3	6.3	1.3	0.3	-2.1	-3	-0.8	-1.4	-0.7	-2.3
19th	1.5	7.1	0.1	-0.1	-1.4	-3.3	-0.2	-0.5	-3.3	-3.2
20th	2.6	-3	-0.7	0.1	0.7	2.3	0.4	1	0.9	3.7

D-667

RUN 35   PT 6

| V/OR = 0.222 | ALFS,U = -2.01 | CLRH/S = 0.080688 | CTH/S = 0.080721 |
| VKTS = 88.2 | MTIP = 0.605 | CXRH/S = 0.002352 | CP/S = 0.003030 |

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	23.5		718.6		379.2		1312.4		-109.8	
RMS	380.3		318.5		367.1		306.4		150.4	
1/2 P-P	569.7		512.4		599.6		547.4		257.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-25.9	527.4	-79.9	417	-148.4	450.4	-165.7	338.1	83.2	185.6
2nd	61.3	-20.9	61.4	-47.1	92.1	-87	101.9	-92.7	36	25.4
3rd	-57.8	2.3	-79	24.5	-100.4	25.2	-86.6	8.1	4.3	-17.6
4th	2.4	18.7	22.1	58.8	40.6	89.4	42.5	81.5	-7.1	-20.6
5th	-18.4	-13	13.9	35.8	34.2	62.1	51.4	68.6	-13.4	-10.8
6th	-14.9	-7.5	7.8	6.2	22.5	14.8	18.8	13.6	-12.3	-1.6
7th	-6.4	-21.3	4.1	-19.2	12.7	0.3	18.4	25.8	-4.5	7.1
8th	-9.6	-17.6	5.6	-29.9	7.3	-16.9	-2.9	16.7	-7.8	3.3
9th	-5.7	6.5	-7.7	-3.5	-2	-3.3	-0.6	-4.2	4.3	-0.1
10th	4.6	6.2	-11.8	5.7	3.6	6.3	8.4	-8.5	-0.6	4
11th	-21.1	11.5	-22.3	10.2	-2.8	9.3	19.2	-10.7	-8.5	5.4
12th	4.8	22.5	2.9	29.6	7.8	6.4	2	-20.1	2.1	5.6
13th	4.9	-13.3	-11	-15.9	0.2	-20.2	0.8	-0.9	1	-0.9
14th	1.6	-2.9	-6.7	-8.9	0.3	1.8	-3.5	0.8	8.3	7.2
15th	-2.6	-5	-1.3	-11.4	-19.4	9.9	3.1	2	-3.5	-12.4
16th	-0.8	1.3	3.9	13.7	-8.2	2.5	3.2	4.5	5.9	1.7
17th	2.8	1.2	-3.1	3.2	3.2	2.7	-2	-4	-6.9	1.3
18th	3.5	-3.2	-4.5	-0.9	0.6	12.3	-7.3	-2.2	0.4	4.4
19th	4.8	-4	-2.8	-2.6	-1	12.2	-4.8	-2.1	-1.4	3.2
20th	-2.8	-3.1	1.5	2.4	2.4	-3.7	8.5	7.9	3.3	-1.5

D-668

RUN 35　　PT 7

V/OR = 0.198	ALFS,U = -2.01	CLRH/S = 0.080038　　CTH/S = 0.080072
VKTS = 78.7	MTIP = 0.606	CXRH/S = 0.002372　　CP/S = 0.003022

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	173.5		15.5		20.7		-72.9		-1.1	
RMS	70.2		43.8		46.6		83.3		35	
1/2 P-P	174.8		103.2		90.6		163.5		100.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	22.9	38	18.9	-17.7	20.9	-50.1	18.4	-70.9	-10.8	-20.9
2nd	8.2	16.5	-5.6	14.4	-16.3	17.3	-63.1	17.8	-17.6	7.4
3rd	-5.2	0.8	-2.2	2.8	-3.2	9.8	-2.8	53.9	-4.5	11
4th	-9.1	-13.4	-9.4	-10.5	-9.4	-7.3	0.6	11.5	10.8	3.3
5th	-0.4	6.7	3.2	9.1	2.7	11	-1.7	-14.5	0.4	-6.9
6th	-12	4.1	-6.9	6	-2.3	3.9	6.1	-6.7	-8.5	0.1
7th	13.3	1.6	9.5	-0.4	6.2	0	-2.5	-2.1	1.8	4
8th	11.5	32.1	13	19.7	6.5	7.6	-3.5	3.1	11.6	4.7
9th	6.1	11.4	8.2	2.9	3.4	-2.1	1.6	1.1	3.7	-4.2
10th	9	-5.6	5.2	-6.2	0.7	-1.3	6.4	-5.9	-7.6	2.8
11th	22.2	-67.6	-0.2	-39.5	-1.8	7.1	1.2	-24.5	-4.2	22.3
12th	23.1	-5.7	8	-7	-4.9	1.8	0.3	-0.9	2.1	1.9
13th	3.7	-1.7	-0.4	-1.6	-1.6	1.1	-2.9	2	4	-4.5
14th	-13.2	-0.1	-3.7	2.3	5.3	-0.8	4.3	-2.7	-5.8	-0.5
15th	-13.8	-3	-5.3	2.9	5.4	0.2	7.7	-4.6	-8.1	6.1
16th	-4.2	1.3	2.1	-1.2	-0.3	0.1	-1.1	-1	1.8	4.5
17th	-3.3	-11.6	0.8	1.4	0.3	-4.1	-0.7	-2.1	0.9	0.1
18th	-6	6.6	0.5	0.2	0.9	-3.5	-0.5	0.2	-1.1	-6.3
19th	-2	-6.7	-0.5	-0.8	2.7	2.5	-0.4	0.6	-0.4	-0.2
20th	22.5	7.2	-1.4	-2.1	-12	2.1	1.5	-0.2	-12.5	2.8

RUN 35   PT 7

V/OR = 0.198
VKTS = 78.7

ALFS,U = -2.01
MTIP = 0.606

CLRH/S = 0.080038
CXRH/S = 0.002372

CTH/S = 0.080072
CP/S = 0.003022

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	19		711.5		377.6		1313.7		-108.2	
RMS	375.8		315		342.3		282.8		152.4	
1/2 P-P	587.9		575.8		618.3		533.3		279.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-24.1	519.4	-59.9	404.4	-103.1	428.2	-119.5	309.1	68	191.9
2nd	60	-11.2	60.4	-37.4	98.2	-69.1	108.1	-78.8	39.3	28.6
3rd	-34	-20.2	-57.9	-5.3	-68.9	-20.2	-61.6	-35.2	9.3	-20.4
4th	-7.2	17.2	1.4	64	6.4	93.8	2.3	81.1	-14	-25.1
5th	-29.9	-20.6	-25	45.3	-24.8	85.1	-14.2	104.6	-18.7	-5.3
6th	-20.7	-9	0.9	5.9	10.5	17.8	17.7	21	-9.7	3.1
7th	-10.9	-8.6	-8	5.2	-4.4	13.4	17.9	10.5	0.5	7.9
8th	-6.4	-6	-12.2	-19.5	-6	-13.6	7.5	8.5	0.9	4.9
9th	-3.6	20.4	-4.3	7.3	-3.5	0.5	4.6	-17	-1.3	1.3
10th	10.9	7.9	4.6	9	2.1	1.6	8.5	-14.6	-5.4	5.7
11th	-22.7	61.2	-6.8	113.8	-4.1	13.2	8.7	-80	3.1	-0.1
12th	4.4	24.3	-3	34.7	12.2	8.4	-2.2	-15.5	7.8	7.5
13th	-10.5	-5.2	-21.4	4.6	-13.7	0.7	1.8	-1.5	9.7	3.1
14th	-0.1	-2.5	8.6	-7	-10.5	1.4	3.5	0.3	-7.1	-11.7
15th	3.4	-2.3	7.1	4.2	-19.7	13.4	4.3	5.2	6.9	-9.4
16th	-0.4	-0.3	-4.1	-4.9	-1.5	-7.9	2.1	0	-12.8	-0.4
17th	3.1	-3.5	-1.4	-2.3	-0.7	16.5	-1.1	-5.7	-3.3	0.8
18th	-0.1	-3.4	1.9	-3.9	3.3	9.3	2.7	-8.6	-3.2	6.1
19th	1.9	-3.2	1.9	5.7	-5.3	1.9	5.2	8.8	1	0.3
20th	-11	-4.9	-4.6	3.7	40.3	-11.6	-15.5	4.3	7.7	7.6

RUN 35   PT 8

V/OR = 0.173   ALFS,U = -2.01   CLRH/S = 0.080091   CTH/S = 0.080128
VKTS = 68.7   MTIP = 0.605   CXRH/S = 0.002453   CP/S = 0.003112

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	175.5		16.3		21.2		-65.4		-0.6	
RMS	47.5		29.2		40.6		76.5		28.3	
1/2 P-P	94		73		73.6		149.7		80.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	18.6	38.3	11.1	-12.9	9	-41.8	-0.7	-61.7	-10.4	-18.4
2nd	7.2	10.7	-7.3	9.4	-17.9	13.8	-58.5	14.1	-20.4	6.1
3rd	-9.9	2.6	-6.6	8.4	-8.4	18.3	-9.3	58.5	-3.1	12.1
4th	-16.8	-17.4	-14.8	-11.5	-14.3	-6.6	5.8	13.2	13.4	2.1
5th	-6.9	4	-1.8	8.7	0	12.1	6.1	-16.7	-0.5	-7.2
6th	-16.9	-6.4	-13.3	-2.3	-7.5	1.7	5.5	-7.2	-9.7	1.5
7th	3.6	-2	1.7	-3.6	-0.8	-0.8	-4.2	-0.6	0.1	2
8th	-10.7	11.2	-4.8	9.7	-1.8	2.8	-2.2	4.5	4.1	-1.8
9th	-7.5	-2	-5.3	1	-0.5	-0.5	0.7	1.7	0	-4.9
10th	4.3	-6.1	0.3	-4.1	0	0.6	0.6	-2.1	-3.8	2.5
11th	29.8	10.1	17.7	-1.5	-3.3	-1.6	8	-0.1	-7.1	3.8
12th	-7.7	-0.2	-2.4	0.4	1.8	-1.6	-0.7	0	3	-0.7
13th	-1.2	-7	-2.1	-2	1.2	2.1	1.6	-1.5	-1.1	-2.6
14th	2.6	-7.6	0	-3.1	0.1	4.1	1.9	1.4	-2.9	-1.3
15th	-0.1	1.9	0.9	0.1	-0.5	-0.2	0.2	2	0	1.7
16th	-8.4	-6.6	-3.3	0.1	4.2	2	4.1	3.1	-1.1	-2.7
17th	-0.9	-4.9	-1.2	-1.8	1.3	2.3	-0.7	1	0.5	-2.8
18th	-0.1	0.6	0.3	-0.2	-0.9	0.6	-1.2	-1.8	-0.1	1.1
19th	-0.2	3.2	0.6	0.4	-1.6	-1.2	0.5	-0.4	-0.4	1.1
20th	-1	-5.1	0.6	1	1.6	1	-0.2	0.3	2	3.5

D-671

RUN 35   PT 8

| V/OR = 0.173 | ALFS,U = -2.01 | CLRH/S = 0.080091 | CTH/S = 0.080128 |
| VKTS = 68.7 | MTIP = 0.605 | CXRH/S = 0.002453 | CP/S = 0.003112 |

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	19.6		709		370.6		1307.5		-106.2	
RMS	363		295.6		322.1		266		150.3	
1/2 P-P	596.8		592.4		606.2		518.9		287.6	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-11.6	502.5	-32.1	384.3	-46.4	395.1	-66.5	280.8	65.2	189.9
2nd	55.1	-14.8	57.7	-38.3	98.8	-72.2	112.4	-74	40.1	19.2
3rd	-36.5	-58.6	-63.3	-43.7	-72.2	-65.9	-69.6	-69.6	7.3	-25.8
4th	-5.4	15.7	6.8	68.5	14.6	97.3	8.5	97.5	-17.9	-32.4
5th	-18.7	-12.9	10.9	57	28.9	97.7	46.3	119	-14.6	-4.1
6th	-13.5	2.6	12.7	30.7	23.8	41.6	16.3	39	-1	9.7
7th	-0.1	4.1	3.1	13.7	8.7	13	5	8.6	1	10.3
8th	3.2	-3	10.8	-15	12.9	-10.3	7.4	-0.1	0.2	-6
9th	5.5	11.7	13.1	0.1	3	-4.6	0.7	-6.8	1.7	-4.4
10th	13.7	15.3	12.1	13.5	3.8	-0.1	-4.6	-10.2	-1.6	-1.8
11th	-34.9	-0.6	-57.2	8.8	-9.3	6	37.2	-7.4	-2.5	9
12th	-1.9	26.7	10.7	28.4	-2.2	20.1	-2.6	-17.6	-3.6	3.7
13th	4.3	-0.2	9.3	4.7	-0.7	-3.2	0.8	-0.8	3.2	-3.5
14th	2.2	-1.2	3.8	3.9	1.6	-9	1.4	3.8	3.3	-8.9
15th	2.1	0.1	-3.3	5.5	-2.6	9	-0.4	-0.7	-2.6	0.5
16th	2.4	-1.1	9.4	-4.3	-8.9	-7.1	5.1	-1.5	7.9	-7.1
17th	4.6	-0.5	0.9	6.4	-9.8	-1.6	2.3	2.5	-2.8	3.4
18th	4.2	-1.3	-1.7	0.1	-2	-1.1	-0.9	3.4	0.9	-0.8
19th	2.5	-4.5	-2.2	-0.1	4.7	8.7	-2.9	2.5	0.3	-2.4
20th	9.7	-6.4	-1.1	2.6	-10.2	13.1	-1.1	14.8	-0.7	-6.6

D-672

RUN 35   PT 9

V/OR = 0.151   ALFS,U = -2.01   CLRH/S = 0.079670   CTH/S = 0.079704
VKTS = 60.1   MTIP = 0.605   CXRH/S = 0.002370   CP/S = 0.003200

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	175.1		15.9		20.5		-60.1		0.8	
RMS	53.6		33.5		42.1		77.2		30.4	
1/2 P-P	106.7		89.8		81.3		158.2		72.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	11.4	43.7	3.1	-6	-1.2	-33.4	-16.9	-54.6	-10.9	-16.6
2nd	8	9.1	-8	5	-20	7.5	-55.4	9.8	-23.4	5
3rd	-15.2	7.6	-13.7	15.6	-17.8	24.4	-16.9	63.3	-1.9	12.8
4th	-26.3	-18.4	-23.2	-8.7	-21.6	-3.2	12.6	11.8	16.8	0.7
5th	-7	7.2	-2.8	13.1	-0.3	17.5	4.4	-22	-1.3	-8.4
6th	-17.7	6.2	-12	7.1	-8.4	5.9	4.5	-9.5	-10.5	1.6
7th	-4.7	11	-1	8.5	-0.9	3.3	-1	1.8	-2	4.2
8th	-8.2	14.6	-4	12.4	-0.4	6.2	-2.1	3.6	4.7	1.5
9th	-2.8	6.2	-0.2	3.2	-0.4	1.2	-3.3	1.7	3.3	-2.1
10th	8.8	6.8	6.3	2.4	-1.9	-1.4	2.8	1.9	-3.9	-0.5
11th	12.1	29.8	12.3	13.6	-0.4	-3.7	10.1	7.5	-8.1	-4.9
12th	2.9	-1.8	1.7	-1.2	0.1	0.9	3.1	-1.2	-2.2	0
13th	5.9	-3	1.7	-2.1	-2.6	1.4	-1.1	0.5	0.9	-1.5
14th	2	0	0.9	-0.2	-1.2	-0.2	-2.3	1.5	3	-1.9
15th	-13.8	-3.5	-4	1.8	5.2	0	4.3	-0.3	-3.2	0
16th	3	-9.6	-1.2	-2.6	-0.4	4.7	1.5	4.5	-1.1	-1.9
17th	2.8	3.6	1.8	-0.2	-1.7	-0.8	-0.1	-0.4	-1.1	1.2
18th	-3.3	5	0.5	1.1	0.4	-3.1	0.7	-1.2	-0.2	-1.7
19th	-7.2	-0.3	-0.3	0.5	3.7	-1.3	-0.7	0	4.4	-3.2
20th	7.3	-6.7	-0.8	-0.1	-1.2	5.5	-0.7	0	-1	5.1

D-673

RUN 35   PT 9

V/OR = 0.151　　ALFS,U = -2.01　　CLRH/S = 0.079670　　CTH/S = 0.079704
VKTS = 60.1　　MTIP = 0.605　　CXRH/S = 0.002370　　CP/S = 0.003200

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	24		710.8		371.3		1302.3		-106.6	
RMS	356.1		284.9		308.7		260.7		151.3	
1/2 P-P	627		618.2		663.2		560.2		280	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	5.2	490.4	-3.2	366.1	3.3	364.7	-13.4	252.3	54.6	190.5
2nd	56	-7.7	59.4	-29.9	105.9	-55.7	107.5	-65.8	44.2	16.7
3rd	-19.3	-85.9	-44.9	-77.9	-44.6	-105.6	-58.6	-98	5.4	-26.9
4th	-0.9	14	13.2	68	23.2	93.4	5.2	103.2	-30.5	-42.1
5th	-14.3	-12.5	21.4	74.1	38.6	124.2	51	156.1	-15.2	-2.7
6th	-12.7	-12.3	3.1	15.5	14.1	36.4	1.3	47.7	-7.1	13.1
7th	-3.7	-7.4	-0.3	-3.6	2.6	10.4	2.6	22.7	-3.7	9.9
8th	5.6	-4.2	11.9	-13.3	7.5	-13.6	1.7	8.6	4.8	0.1
9th	3.1	14.1	7	3.7	9.1	-6.8	-2.7	-8.1	0.8	-0.8
10th	8.9	13.8	-1	3.2	7.6	4	2.9	-5.3	-0.4	-1.2
11th	-15.5	-27.3	-38.7	-43.2	-10.5	-6.6	29.2	28.1	-5.7	4.9
12th	-2	13.6	-3.1	16.4	-2.9	4.3	4.1	-6.4	-1.2	0
13th	5.7	1.8	3.3	7.6	9.8	1.6	-5.1	-4.5	2.3	1.2
14th	0.3	-0.4	2.7	2	8.6	3.6	-2.3	-3.6	5.9	-1.6
15th	0.4	-1.6	6.4	2	-14	6.5	5.8	1	-0.8	-7
16th	0.8	0	3.9	3.5	1.2	-15.7	-0.1	4.3	7.1	4.1
17th	2	-0.6	-2.9	1.1	3.9	4.3	-4.7	0	-6.5	-4.5
18th	2.9	-1	-0.8	-5.1	-1.5	5.9	-1.3	-5.3	0.4	0.1
19th	2.8	0.1	0.9	-2.7	-11.4	4.4	7.3	-3.6	0.2	-1.3
20th	-1.8	5	-1.5	3.8	-0.8	-19.3	-2.7	6.6	5.3	-0.8

D-674

RUN 35   PT 10

V/OR = 0.125   ALFS,U = -2.01   CLRH/S = 0.080262   CTH/S = 0.080296
VKTS = 49.8   MTIP = 0.606   CXRH/S = 0.002369   CP/S = 0.003479

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	178.6		17.9		24.7		-51.2		5.6	
RMS	71.9		51.7		50.1		87.7		35.9	
1/2 P-P	168.3		119.2		103		167.1		89.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	7.6	46.5	-3.9	0.1	-9.9	-25	-34.6	-47.7	-12.5	-15.4
2nd	9.8	4.7	-8.4	-2.1	-19	-2.6	-57.9	1.2	-28.9	2.9
3rd	-27.6	12.8	-27.3	25.3	-29	34.6	-31	75.3	-3.3	14.1
4th	-35.5	-23.9	-33.7	-10	-31.3	-2.1	20	9.5	21.2	-0.4
5th	-1.9	5.5	2.5	13	3.5	18.1	0.2	-26	0.6	-10
6th	-26.6	8.5	-19.9	13	-10.7	10.7	11.1	-12.8	-9.2	1
7th	-20.9	-4.8	-15.9	0.3	-9.2	1	1.6	-1.5	-8.2	3.4
8th	7.2	28.9	9.8	20.8	3.4	7.6	-2.7	4.8	4.1	6
9th	-12.1	14.9	-3.9	12.6	2	3.8	-4	6.3	4.2	-2.5
10th	-5.5	-1.7	-3.8	0.2	-1.3	-0.2	-1.2	-0.7	2.1	-2
11th	51.3	11.8	28.8	-3	-5	-3.2	16.8	-3.3	-14.3	2.2
12th	-7.2	10.1	-0.6	5.6	2	-2.1	0.3	2.9	-1.6	1.3
13th	-3.5	-6.8	-2.6	-1.4	1	1.7	0.9	1.1	-0.8	-0.5
14th	9.1	-9.6	0.8	-4.1	-2.4	4.6	-1.7	2.4	3	-6
15th	2.6	5.8	3.1	-0.2	-1.8	-2.1	-2.4	-1.9	2.3	0.1
16th	-9.5	-2.2	-2.4	2.5	4.2	0.5	4.7	0.3	-2.6	2
17th	5	-3.7	1	-1	-1.5	3.4	-2	3.6	0.9	1
18th	4.6	4.1	1.5	0.2	-3.4	-0.8	-2.6	-0.9	-0.6	0.1
19th	-5.9	7.3	0.7	0.7	0.3	-4.7	0.2	-2.1	1	-4.5
20th	0.7	-12.4	-1.1	0.9	2.8	6	1.2	-1.3	2.4	6.3

D-675

RUN 35   PT 10

V/OR = 0.125   ALFS,U = -2.01   CLRH/S = 0.080262   CTH/S = 0.080296
VKTS = 49.8   MTIP = 0.606   CXRH/S = 0.002369   CP/S = 0.003479

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	28.7		714.7		366.6		1296.6		-115.2	
RMS	350.5		292		324.5		293.9		155.2	
1/2 P-P	678.3		692.7		717.5		642		288.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	49.9	467.8	48.1	339.4	69.9	328.5	55.4	218	52	189.4
2nd	60.5	8.2	68.5	-13	114.1	-27.8	118.2	-41.8	54.5	18.6
3rd	-1.4	-130.2	-27.9	-126.7	-28.8	-163.1	-47.6	-148.6	1.2	-30.7
4th	8.2	21.6	16.1	88.8	20.5	119.2	-10.2	131.8	-36.6	-54
5th	-9.1	-0.8	35.6	110.7	62.4	182.3	87.7	218.9	-5.6	5.2
6th	-5.4	-28	7	7	4.5	35.2	-5	54.3	-10.2	8.7
7th	5.4	-14.1	13	6.8	11.5	23.3	-16.1	32.5	-2.1	2.4
8th	1.4	-9.3	-4.2	-23.6	6.4	-10.2	15.9	22.9	10.3	4.3
9th	4.5	5.3	13.1	-11.4	4.9	-8.3	4.9	1.9	-3.4	-2.8
10th	12.6	16.8	17.1	9.9	7.7	2	-6.7	-9.7	-1.1	-8.7
11th	-34.2	-28.9	-79.6	-18.3	-9.2	-6.5	51.6	9.9	2.9	6.6
12th	4.6	2.4	6.2	-10.2	-4.6	2	-2.1	1.9	-8.4	1.1
13th	11.3	1.4	21.6	4.1	8	-2.4	-4.5	-0.5	1	-4.2
14th	1.4	-0.9	4.9	7.8	12.8	-6.3	-2.8	2.3	17.1	-1.3
15th	-2.5	-1.2	-3	3.2	6.6	9.7	2.7	-3.6	-14.2	7.2
16th	1.1	-2	4.6	-10	-11.2	-7.8	3.8	1.1	8.5	-11.3
17th	-1.4	1.2	-0.6	4.1	4.5	-8	-0.5	5.2	-3.9	-0.9
18th	2.2	0.9	-6.1	1	2.9	2.8	-6.9	0.6	-2.6	-1.8
19th	-0.6	1.2	-0.8	-6.6	-1	7.3	2.2	-10.9	-1.6	-0.3
20th	2.6	18	0.8	-0.3	-24.9	-32.9	-2.8	-0.2	7.1	-2

RUN 35   PT 11

V/OR = 0.102   ALFS,U = -2.01   CLRH/S = 0.080267   CTH/S = 0.080298
VKTS = 40.4   MTIP = 0.605   CXRH/S = 0.002280   CP/S = 0.003813

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	182.9		21.4		28.4		-37.7		13.8	
RMS	93.4		71		62.5		102.7		43.7	
1/2 P-P	242		179.5		142.4		200.2		111.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	4.2	50.1	-12.7	5.3	-20.5	-17	-52	-41.5	-14.8	-17.2
2nd	12.7	1.4	-7.4	-5.7	-17.2	-7.8	-66.3	-7.2	-35.5	-0.5
3rd	-40.6	16.5	-40.8	34.7	-42.5	46.8	-49.2	86	-9.3	16.9
4th	-42	-26.4	-39.5	-9.2	-36.1	-2.2	21.9	10.3	23.5	1.9
5th	13.9	1.9	13.6	8.5	11.7	16.5	-7.3	-20.8	4.9	-11.1
6th	-36.4	4.5	-28.4	12.1	-17.4	11.7	15	-13.5	-6.9	-0.8
7th	-28.2	-26.1	-25.8	-13.7	-13.9	-4.6	4	-4	-16.1	1.3
8th	7.2	46.7	11.6	32.8	4.1	12.9	1.5	8.6	0.3	11.6
9th	-24.1	11.6	-13.1	13.1	-0.6	4.7	-8	6.6	6.8	-3.5
10th	-9.1	-16	-7.8	-6.6	-0.2	1.7	-6	-5.7	7.1	-1.3
11th	57.2	40	36.6	10.4	-5.9	-5	23.3	3	-17.1	-2
12th	-17.8	2.4	-6.1	3.7	4.2	-1.9	0.2	0.9	-2.6	4.3
13th	-1	-10.1	-1.5	-3.3	0.9	2.6	0.8	2	-3.1	-1.5
14th	9.4	-0.2	3.4	-2	-3.7	1.4	-2.8	0.9	3	-5.2
15th	-2.9	9.2	2.7	3	0.3	-3.8	-0.4	-4.5	3	2.3
16th	-4.6	-8.6	-3	-1	3	2.8	4.6	2.7	-0.4	0.8
17th	5.1	1.3	1.1	-0.2	-2.6	0.7	-2	0.8	-0.5	1.4
18th	2	4.2	0.5	0.2	-2.4	-1.2	-1.2	-0.2	-3.6	-1.5
19th	-2	2.6	0	-0.5	-0.2	-2.8	-0.4	-0.4	-0.2	-3.3
20th	1.4	-3.5	-0.6	0	0.9	1.8	0.8	-0.9	1.8	2.4

D-677

RUN 35   PT 11

V/OR = 0.102   ALFS,U = -2.01   CLRH/S = 0.080267   CTH/S = 0.080298
VKTS = 40.4   MTIP = 0.605   CXRH/S = 0.002280   CP/S = 0.003813

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	41.5		719		357.6		1279.8		-124.4	
RMS	355.6		326		381.3		367.5		160.6	
1/2 P-P	721.1		795.3		845.3		775.5		290.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	89.3	442.8	96.1	312.1	136.8	293.4	119	184.7	46.3	190
2nd	74.4	14.1	83.4	-7.5	125.8	-14.4	127.7	-19.5	69.4	16.2
3rd	18.5	-187.4	-19	-191.8	-18.2	-247.5	-48.8	-217.1	1	-37.6
4th	2.4	22.5	-13.4	104.1	-27.5	148.3	-61.1	161.9	-40.4	-62.2
5th	-23.8	15.8	11.7	175.4	26.2	278.8	63.6	320.9	2.3	22.3
6th	5.1	-37.6	7.6	9.2	0.4	41.3	-30.3	73.1	-9.9	1.8
7th	11.6	-16.9	18.1	23.8	7.5	44.7	-33.4	35.3	-2.6	0.2
8th	10.9	-8.8	1.5	-33.4	7.6	-18.7	19	29.8	11.5	11.2
9th	12.4	-5.2	26.7	-17.1	13.1	-9.6	-6.3	13.4	-2.1	-4.7
10th	19	19.5	27.5	21.9	8.3	3	-16	-19.8	5.7	-12.6
11th	-49.1	-48.8	-108.6	-47.8	-15.9	-8.4	76.7	30.6	4.1	7.9
12th	5.5	-6.6	13.2	-15.5	-8.2	-4.1	-6.7	5.4	-9.4	-4.9
13th	5.2	5	14	14	5.8	0.4	-5.5	-5.9	0.5	-2.7
14th	2.8	-1.5	4.4	-0.1	17.6	-3.7	-1.7	0	6.6	4
15th	-2	-0.9	-1	0.2	3.2	15.5	6.1	-0.1	-15.1	-4.1
16th	0.3	-1.1	0	-2.4	-13.1	-12	0.2	0.9	8.7	3
17th	-0.8	1.2	-2.2	-0.4	7.3	-4.5	-3.4	-0.9	0	-0.3
18th	1.9	3.1	-1.9	0.5	2.4	2.6	-5.1	-2.9	1.2	-0.4
19th	-2.9	1	1.7	-2.9	3.5	-0.1	3.7	-5.9	-0.6	1.4
20th	2.3	17.9	-3.1	-4.1	-20.8	-26.9	-11.4	-11.7	1.3	2.9

D-678

RUN 35   PT 12

V/OR = 0.092   ALFS,U = -2.01   CLRH/S = 0.080580   CTH/S = 0.080610
VKTS = 36.4   MTIP = 0.604   CXRH/S = 0.002292   CP/S = 0.004051

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	184.7		24.7		31.8		-28.6		19.3	
RMS	93.8		74.2		68		110.2		46.7	
1/2 P-P	236.9		190		157.3		212.5		114	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	1.9	51.4	-16.4	6.5	-24.8	-15.2	-61.8	-39.3	-16.3	-17.4
2nd	15.1	1.9	-4.1	-5.8	-12.2	-9.8	-67.9	-12.4	-37.9	-1.6
3rd	-45.2	17.9	-46.1	37.4	-49.2	50.7	-57.9	91	-13.3	17.9
4th	-44.8	-31.5	-42.9	-13	-39.6	-4.2	26	13.9	25.1	2.8
5th	16.7	0.8	14.3	8.4	13.1	16.9	-9.4	-19.7	9.1	-11.4
6th	-39.4	1.3	-31.6	10.7	-20.4	11.5	15.8	-14.2	-6.6	-0.8
7th	-28.8	-31.9	-26.9	-17.8	-13.7	-7.2	7.9	-3.2	-19.4	0.6
8th	5.8	49.5	10.9	34.8	4	13.6	0.9	9.6	-0.6	11.9
9th	-22.8	6.9	-13.3	10.3	-1.7	4	-10.6	4.5	8.3	-4.7
10th	-6.6	-15.1	-6.4	-6.5	-0.2	1.1	-4.1	-5.9	7.6	-0.8
11th	39.9	39.6	27.1	13.6	-4.7	-4.6	17.7	5.8	-12.8	-2.5
12th	-15.6	-2.5	-5.9	1	3.4	-1	-0.4	0.6	-3.2	3.6
13th	-2.3	-7.9	-1.5	-1.7	1.7	2	1	2.3	-3.7	-2.6
14th	5.1	-0.4	2.6	-0.5	-1.7	1.2	-1.6	0.4	2.2	-3.3
15th	4	7.8	3.7	1.4	-1.9	-3.4	-2.9	-3.5	6	2.4
16th	-2.8	-0.5	-0.7	0.7	1.2	-0.1	1.8	-0.4	1.2	1.5
17th	3.4	0.1	0.4	-0.8	-1.6	0.3	-1.5	1.5	-1.5	0.2
18th	3	1.3	0.2	-0.7	-1.3	0	-1.6	0.4	-2.8	-0.3
19th	-0.5	0.5	0.1	-0.5	-0.3	-0.7	-0.5	-0.2	0.3	-1.4
20th	-1	-3.8	-0.6	0.1	1.4	0.7	0.5	0.1	2.3	1.5

D-679

RUN 35   PT 12

V/OR = 0.092   ALFS,U = -2.01   CLRH/S = 0.080580   CTH/S = 0.080610
VKTS = 36.4   MTIP = 0.604   CXRH/S = 0.002292   CP/S = 0.004051

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	48.1		718.5		348.6		1266.4		-134.2	
RMS	358.9		335.8		405.7		395		162.1	
1/2 P-P	742.2		843.4		891.1		819.9		300.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	85.7	440.1	102.6	308.6	155.3	287.3	141.3	177.1	42.1	189.9
2nd	74.3	16.2	82.2	-5.3	122.3	-8.3	124.1	-8.4	74.2	17.8
3rd	24.5	-207.1	-20.8	-214.9	-17.6	-277.4	-54	-246.2	0.6	-39.8
4th	-1	22.1	-24.6	111.6	-45.7	156.3	-80.4	174.6	-40.4	-66.6
5th	-30.6	18.2	-9.9	193.4	-9.6	309.6	24.7	355.5	0.7	26.7
6th	11.3	-39.6	8	12	-2.7	46.9	-40.9	80.4	-6.9	1.2
7th	10.1	-14.8	16.1	27.3	1.5	48.1	-33.6	35.9	-2.6	2.2
8th	12.1	-8.9	3.7	-33.6	8.2	-15.8	17.7	31.5	11.9	11.1
9th	12.2	-0.7	27.7	-11.9	15.8	-6.8	-8.2	7.9	1.6	-4.2
10th	7.6	24	19.2	26	7.1	4.5	-6.8	-17.8	6	-10.1
11th	-33.1	-49.6	-80.2	-56.7	-10.5	-10.5	56.4	35.7	3.8	7.4
12th	-3.5	-13.7	8.2	-20.7	-10.8	-11	-5.4	6	-8.8	-3.4
13th	5.6	11.6	17.5	20.6	6.8	7.1	-5.3	-5.3	-1.3	-4
14th	2.3	-1.6	6.1	1.7	12.8	1.1	-0.1	0.4	2.2	-1.8
15th	-2.1	-1.1	-7.7	0.7	5.4	11	3	-0.2	-9.1	0
16th	0.5	-2	-2.6	-7	-6.4	-4.7	0.6	-1.7	3.6	-0.9
17th	-0.7	2	0.6	1.6	6.2	-2.4	-2	-0.7	1.1	2.6
18th	0.6	4.4	-1.6	2.9	2.1	-0.9	-3.8	-0.5	0	0
19th	-2.2	1	-0.1	-0.2	1.1	-1.1	2.4	-2	-1	-1.6
20th	1.2	24.5	-4.6	-7.3	-27.7	-35.7	-11.8	-20	-0.1	0.9

D-680

RUN 35   PT 13

V/OR = 0.082   ALFS,U = -2.01   CLRH/S = 0.079723   CTH/S = 0.079749
VKTS = 32.8   MTIP = 0.606   CXRH/S = 0.002128   CP/S = 0.004197

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	184.1		24.7		33.7		-18.9		26.4	
RMS	86.3		70.4		68.5		113.8		48	
1/2 P-P	204.8		187.2		152.4		218.8		113.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-1.3	55.2	-18.9	9.4	-28	-12.9	-70.3	-32.3	-17.1	-12.5
2nd	16.8	1.2	-1.1	-6.3	-6.8	-8.7	-71	-11.7	-41	1.3
3rd	-46.3	20.2	-47.6	40	-51.1	52.2	-57.4	93.9	-17.9	17.8
4th	-48.1	-29.1	-45.2	-9.4	-42.1	-0.9	32.1	14	26.3	-1.5
5th	14.9	-3.9	11.9	5.3	9.7	15.1	-11.4	-18.3	13.9	-13.8
6th	-34.9	3	-28.5	12	-18.3	12.3	16.6	-16.1	-5.2	0.6
7th	-27.7	-27	-25.1	-14	-13	-4.6	8.5	-3.2	-19.6	4.8
8th	7.2	39.2	10	27.3	3.2	10.6	-0.7	8.2	-1.2	9.7
9th	-17.8	6.2	-10.1	8.6	-1.5	3.6	-6.7	4.1	5.7	-5.8
10th	-9.4	-8.9	-6.8	-2.6	-0.2	1.7	-4.6	-3.4	7	-1.6
11th	22.2	27.2	15.7	10.1	-3.6	-3.1	10.1	5.1	-6.7	-2.1
12th	-11.9	0.4	-3.9	1.5	2.6	-1.6	0.6	0.5	-2.5	2.5
13th	-3.2	-3.4	-0.8	0.3	1.2	1	0.5	1.3	-3.4	-1.1
14th	3.9	-3.2	1.5	-0.9	-1.4	2.1	-0.7	1.3	1.8	-2.7
15th	3.7	4.6	2.6	0.7	-2.1	-1.8	-2.1	-1.5	4.5	0.7
16th	-4.3	2	-0.6	1.4	1.5	-1.5	1.2	-1.7	-0.2	1.5
17th	1.6	0.3	0	-0.9	-0.8	0.4	-1	0.5	-0.8	-0.4
18th	2.1	1.3	0.8	-0.9	-1.3	0	-1.5	0.4	-0.9	-1
19th	0.5	-0.3	0.2	-0.2	-0.5	0.4	-0.1	0.3	-0.5	0.5
20th	3.6	-0.9	-1.1	-0.1	-1.6	1.4	0.7	0	-1.6	1.9

D-681

RUN 35   PT 13

V/OR = 0.082	ALFS,U = -2.01	CLRH/S = 0.079723 CTH/S = 0.079749
VKTS = 32.8	MTIP = 0.606	CXRH/S = 0.002128 CP/S = 0.004197

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	53.3		722.7		347		1256.7		-143.1	
RMS	355.5		334.5		414.6		408.3		161.6	
1/2 P-P	740.4		812.1		889.4		825.5		312.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	73.6	434.5	99.2	300.3	162.9	276.4	164.6	168.9	33.5	188.9
2nd	69	11.1	74.2	-6	105.4	-9.1	103.7	-11.4	80	14.1
3rd	26.9	-215.5	-22.3	-223.4	-21.9	-284.1	-58.1	-252.2	2.6	-38.2
4th	-13.5	15.7	-42.7	109.4	-67	155.6	-99.3	178.9	-46.2	-66
5th	-36.5	15.7	-28.8	207.7	-38.2	333.2	-10.9	377.7	-0.7	23.6
6th	10.9	-41.7	-1	7.4	-15.8	40.8	-48.6	76.5	-4.4	1
7th	4.3	-16.6	12.4	26.9	2.3	49.2	-29.7	42.3	-2.5	4.6
8th	13.4	-5.3	6	-23.2	11.1	-8.9	16.3	27.8	11.6	7
9th	9.9	-0.1	23.1	-10.1	14.7	-6.1	-0.7	8.5	1.5	-3.2
10th	-2.7	18.4	12.1	18.1	5.6	3.4	-1.5	-11.1	3.2	-9
11th	-19.2	-43.1	-50.3	-49.5	-7.2	-11.6	36	29.8	4.4	6.2
12th	3.9	-22.9	1.8	-33.4	-10.6	-17.2	-2.5	11	-6.1	-0.7
13th	6.2	13.3	19.2	18.8	8.6	11.2	-5.6	-5.3	-2.1	-2.8
14th	1.1	-1.4	3.3	4.3	8	-0.7	-0.3	2.3	4.1	-4.8
15th	-1.2	-0.7	-4.2	0	6.6	4.8	2.3	-0.8	-4.5	1.1
16th	0.4	-2.1	-0.7	-10.7	-5	-4.5	1.1	-2.6	1.5	-2
17th	-0.3	2.1	-0.2	1.4	2.5	-1	-1.9	-1.2	1.8	2.9
18th	-1.8	5.1	-0.1	0.4	5	-5.2	-0.8	-2.8	-2.7	0.6
19th	-0.5	-1.2	-1.5	2.8	0.1	3.1	-1.2	3.3	-0.3	-2.4
20th	-7.8	19	-2.4	-7.3	-4.6	-37.1	-6.6	-19.2	3.5	1

D-682

RUN 35   PT 14

V/OR = 0.072	ALFS,U = -2.01	CLRH/S = 0.080292	CTH/S = 0.080315
VKTS = 28.6	MTIP = 0.607	CXRH/S = 0.002049	CP/S = 0.004505

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	187.3		28		38		-2.1		38.5	
RMS	81.9		65.8		64.7		113.5		52.1	
1/2 P-P	208.2		164.9		144.1		215.7		112.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-3.7	57.1	-20.2	10.9	-29	-10.8	-76.7	-28.1	-16.3	-10.4
2nd	18.3	2.1	1.5	-7	-3.6	-10.2	-82.6	-18.2	-47.1	0
3rd	-43.1	20.5	-44.2	39.3	-48.2	50.3	-48.1	87.7	-27.1	16.3
4th	-44.4	-26.2	-41.9	-8.1	-39.1	-0.6	25.5	12.4	26.7	-2.2
5th	24.8	-15.9	18	-7.4	13.5	4.1	-16.1	-7.5	19.2	-10.9
6th	-26.9	1.2	-22.9	9.1	-15.7	10.4	18.8	-12.5	-1.8	2
7th	-28	-32.2	-26.4	-18.1	-13.7	-6.7	7.1	-2.9	-19.9	2.2
8th	14	21.5	11.9	13.7	3.8	5.2	2.2	5.7	-3.3	4.8
9th	-15.8	6.1	-9.5	7.8	-1.3	3.2	-5.6	2.4	3.5	-3.3
10th	-12.2	-6.7	-8.5	-1	-0.3	1.7	-5.8	-1.5	8.1	-1.4
11th	23.2	0.6	11.5	-3.9	-3.6	-0.5	7.6	-2.5	-4.7	2.2
12th	-8.4	-0.8	-2.4	0.6	1.4	-1	0.2	-0.7	-2.1	2.3
13th	-6.8	-6.4	-2.7	0.1	2.2	1.6	1.4	2.3	-2.6	-1.2
14th	0.8	-2.4	0.5	0.8	-0.6	2	0.7	1.4	-0.4	-1.6
15th	-1	10.3	2.5	2.9	-1.2	-4.1	-1.9	-4.4	2.3	3.9
16th	-1.3	0.8	0.5	-0.3	0.3	-0.5	0.3	-0.4	1.2	0
17th	1.3	1.7	0.4	-0.3	-1	-1	-1.1	-0.4	0.6	-1.2
18th	0.5	1.7	1.1	-0.3	-0.3	-0.9	-1.1	-0.2	0.1	-0.7
19th	0	-2.5	0	-0.6	0.2	1.1	0.3	0.5	-0.2	1.3
20th	1.2	2.7	-0.5	-0.9	-2.1	-1.3	0.6	0.7	-1.8	-1

D-683

RUN 35   PT 14

V/OR = 0.072   ALFS,U = -2.01   CLRH/S = 0.080292   CTH/S = 0.080315
VKTS = 28.6   MTIP = 0.607   CXRH/S = 0.002049   CP/S = 0.004505

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	57.1		720.8		332.9		1234		-160.2	
RMS	353.9		338.8		423.9		413.2		160.2	
1/2 P-P	733		795.9		915.9		855.1		296.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	73.8	436.5	104.6	301.8	172.1	276.4	188	171.1	28	188.8
2nd	67	23.2	68.8	4.3	94.2	4	88.9	-3.7	83.4	19.5
3rd	21.3	-206.4	-32.7	-216.9	-35.1	-275.6	-64.5	-239.6	5.8	-32.8
4th	-13.3	17.7	-52	100.9	-82.8	140.2	-116	159.4	-43.3	-59.3
5th	-40.9	32.2	-50.4	229.4	-70.4	360.1	-40	394.1	6.9	26
6th	15.1	-37.9	-3.5	2	-18.1	29.1	-47	60.3	1.5	-2.6
7th	12.4	-13	15.9	28.3	1.7	48.1	-35.6	35.4	-3.9	3.9
8th	5.7	0.2	0.1	-8.9	11.5	-2	26.7	15.4	11.2	3.5
9th	13.3	-1.9	21.7	-10	12.4	-3.2	-4.2	10.6	1.3	-0.1
10th	-3.5	23.4	13.7	20.5	5.2	5.5	-3.5	-12	3.7	-6.7
11th	-10.3	-22.8	-32.7	-13.6	-2.6	-9.1	24.1	2.9	6.3	4.9
12th	21.6	-17.6	21.5	-30.7	3.6	-16.3	-10.6	9.8	-5.9	-1.5
13th	3.7	14	18.9	23.5	3.4	13	-6	-5.1	-1.2	-3.5
14th	1.9	-2.1	7.9	0.3	8.5	-1.5	-0.9	3.8	4.7	-8.9
15th	0.2	-0.8	-1.4	-3.1	5.2	12.6	3.2	-1.7	-8.3	1.9
16th	0.8	-0.9	3.3	-14.7	3.9	-15	2.3	-4.9	-1.1	0.6
17th	-0.6	1.5	-2.7	-1.4	1.2	-1.8	-2.1	-2.5	2.1	2
18th	-3	2.9	0.5	-0.4	6.2	-2	1.5	-2.4	-2	-1.2
19th	-2.6	1.9	-0.4	2.2	-1.7	-4.6	1	1	-0.5	-1.2
20th	-11.1	15.3	-0.4	-7.7	3.9	-29.4	-1.1	-23.6	2.8	4.3

D-684

RUN 35   PT 15

V/OR = 0.061 ALFS,U = -2.01 CLRH/S = 0.080467 CTH/S = 0.080489
VKTS = 24.2   MTIP = 0.606   CXRH/S = 0.002025   CP/S = 0.004760

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	186.2		30.5		42.6		24		49.5	
RMS	74.6		56.1		55.4		109.9		52.6	
1/2 P-P	171.4		146.7		125.8		209.4		104.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-12.4	61.4	-24.4	13.5	-31.7	-9.1	-87	-18.8	-14.8	-5.5
2nd	13.9	6.4	1.2	-3.4	-2.1	-8.2	-87.4	-22.4	-51.2	1.4
3rd	-37.8	15.6	-37.9	32.2	-41.8	40.5	-38.8	74.3	-30.3	12.8
4th	-36.9	-22.5	-34	-7.1	-31.9	-1.4	20.3	11.2	25.1	-5.5
5th	18.1	-23.8	10.3	-14.8	5.5	-4.6	-6.1	1.8	20.2	-6.8
6th	-20.7	4.5	-17.7	9.9	-12.7	10.1	12.9	-10.5	0.7	3.8
7th	-23.4	-22.7	-20.9	-12.8	-10.6	-4.7	4.8	-1.7	-16.7	2.2
8th	20.8	12.1	15.2	5.7	4.6	2.3	4.5	2.9	-2.8	2.6
9th	-10.2	1.2	-6.6	3	-1.2	1.4	-4.4	0.8	1.9	-3.2
10th	-10.8	-3	-7.4	0.2	-0.1	0.2	-5	0.1	6.6	-2.3
11th	-0.9	12	0.2	6.2	-1.9	-1.2	0.6	3.9	1.2	-2.2
12th	-5.5	-1.2	-2.4	0.4	0.1	-0.4	-0.5	0.5	-0.8	1.7
13th	-1.6	1.5	-1	2.6	-0.3	0.2	-0.3	1.7	-0.8	-0.2
14th	0.3	2.4	0.2	2	-0.5	0	-0.3	-0.1	-0.3	-0.2
15th	7.9	-2.1	1.3	-1.5	-2.9	2.1	-3	2.4	2.4	-2.1
16th	5.7	8	3.5	0.5	-3.1	-2.4	-4.7	-2.1	4.2	1.1
17th	-3.3	0.9	-0.3	0.2	1.7	-1.2	1.1	-1.1	0.7	-0.4
18th	-0.4	-5.2	-0.1	-1.3	1.5	2	0.6	1.6	0.9	0.7
19th	5.2	-4.7	0.2	-0.6	-1.4	3.8	0.1	1.1	-1.8	3.8
20th	-7.6	3.4	1.2	0.2	2.4	-4.3	-1.5	0.3	2.7	-3.6

D-685

RUN 35   PT 15

V/OR = 0.061	ALFS,U = -2.01	CLRH/S = 0.080467	CTH/S = 0.080489
VKTS = 24.2	MTIP = 0.606	CXRH/S = 0.002025	CP/S = 0.004760

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	58.9		714		307.9		1198.3		-179.5	
RMS	343.9		307.7		373.2		353.3		154.5	
1/2 P-P	699.5		738		839		750.1		287.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	29.5	447.1	78.3	309.6	155.2	284.3	181.7	177.3	19.9	186.7
2nd	48	21.9	49.3	1.8	69.3	2.3	70.8	-5.2	79.2	25.5
3rd	11	-168.7	-39	-178.7	-44.1	-227.1	-70	-198	8.8	-27.6
4th	-19.4	6.9	-54.3	73.8	-81.4	105.7	-105.4	121.6	-40.6	-50.2
5th	-29	31.2	-49	190.5	-71.4	296.6	-55.7	315.6	11.6	14.9
6th	17.5	-35.5	-2.8	-6.4	-14.8	15.7	-39.4	45.3	4.1	0.4
7th	8.6	-0.7	12.5	22.6	0	32.8	-31	19.6	-5.3	3.5
8th	7	-3	-5.6	-3.4	3.5	3.4	20.1	14.4	9	1.3
9th	4.9	7.5	13.7	1.2	9.1	-0.8	-0.9	-0.2	3.4	-0.7
10th	-5.7	10.8	7.4	8.8	2.2	2.9	-3.5	-3.3	3.7	0.2
11th	11.6	-17.8	4.1	-27.5	3.8	-6.4	-3.1	15.1	4	3.7
12th	16.1	-3.5	20	-11	6.7	-5.9	-8.5	3.9	-1.7	0
13th	-8.1	16	-4.2	29.1	-4.9	22.9	-0.3	-5.2	2.4	-1.7
14th	2.5	-0.3	4.3	1.1	5	5.7	-0.8	2.6	3.6	-3.3
15th	1	1.3	-7.7	9.4	2.1	1.6	-2.9	1.1	4.2	-0.5
16th	-0.5	0.4	0.6	-5.5	17.7	0.6	0.8	-4.4	-4.6	1.1
17th	0.3	0.6	2.4	-3	-1.3	0	2.8	-2	0.8	0.4
18th	-2.1	0.9	1.3	1.9	-1.8	-7.6	3.9	3	-0.9	0.6
19th	-4.6	3.1	-0.7	0.6	5.2	-16.2	-0.6	1.6	1.6	1.6
20th	-4.7	-4.9	4.4	-2.7	6.4	10.2	13.4	-6.7	-4.2	-3.2

D-686

RUN 35   PT 16

V/OR = 0.052	ALFS,U = -2.01	CLRH/S = 0.079669	CTH/S = 0.079695
VKTS = 20.5	MTIP = 0.606	CXRH/S = 0.002137	CP/S = 0.004893

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	184.6		31.9		45.8		49.5		57.3	
RMS	72.9		48.5		42.1		102.5		49.9	
1/2 P-P	145.9		114.3		96		185.3		105	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-16.5	65.1	-25.2	16.1	-29.4	-7.5	-99.2	-19.7	-13.4	-5.9
2nd	9.8	8.3	0.6	-1.3	-1.6	-5.6	-78.3	-21.5	-52.5	-1.1
3rd	-29.2	6.4	-27.9	19.5	-29.9	25.8	-30.7	48	-26.2	7.6
4th	-27	-19.3	-24.7	-7	-23.5	-2.3	16.9	8.4	21.5	-3.4
5th	17.4	-26.5	9.4	-20.6	5.6	-11.5	-7.3	12.3	17.3	-0.8
6th	-7.2	5.8	-6	8.2	-4.3	7.9	4.9	-8.3	1.5	3.7
7th	-27.2	-25.4	-23.2	-14.1	-10.7	-5.1	4.7	-1.1	-15.2	-1.1
8th	16.6	2	11.9	-1.2	3.4	-0.4	3.7	1.3	-3.3	-0.3
9th	-2.8	0.7	-1.4	0.8	-0.2	0.8	-0.9	-0.1	1.3	-2.6
10th	-14.2	-1.8	-8.3	0.9	0.1	0.6	-5.7	1	6.9	-2.1
11th	-11.7	-29.9	-12.1	-13.8	-0.5	3.4	-8	-7.9	6.9	6.8
12th	-5.5	3.8	-1.5	2.4	0.3	-1	-0.4	0.9	0.2	1.3
13th	-7.1	1.1	-2.9	3	1.5	0.1	0.5	1.3	-2.6	-0.1
14th	-0.7	-2.4	-0.5	0.6	0.3	1.3	0.5	1.2	-1.7	-1.8
15th	7.6	3.2	2.9	-0.8	-3.2	-0.6	-3.8	0	4.3	-0.6
16th	-4.1	8.7	1.1	2.9	0.6	-3.9	-0.3	-4.7	1.4	3
17th	-0.7	-0.4	-0.1	-0.1	0.6	0.2	0.4	0	0.2	0.2
18th	2.1	-2.1	0.4	-1.2	-0.6	1.3	-0.5	1.5	-0.5	0.7
19th	4.3	-0.1	0	-0.5	-1.6	1.2	0	0.8	-1.9	0.8
20th	-2.7	-2.4	0.1	0.1	2	-0.1	-0.1	-0.2	2.1	-0.2

D-687

RUN 35   PT 16

V/OR = 0.052   ALFS,U = -2.01   CLRH/S = 0.079669   CTH/S = 0.079695
VKTS = 20.5   MTIP = 0.606   CXRH/S = 0.002137   CP/S = 0.004893

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	54.3		703.6		272.8		1163.4		-196.3	
RMS	335.4		278.2		317.4		289.8		150.2	
1/2 P-P	648.2		634.8		740.1		686.8		284.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-30.5	450.1	34.6	312.1	116.9	285.2	158.4	181.5	10.6	187.8
2nd	29.6	20.2	30.9	1.2	47.1	2.3	51	-3.8	68.3	27.2
3rd	-10.6	-128.3	-45	-135.1	-50.1	-169.7	-64.4	-147.7	4.1	-21.5
4th	-19.3	-6.9	-50.5	37.5	-71.8	53.9	-88.1	65	-30.8	-46.7
5th	-3.6	42.3	8.3	162.9	11.3	249.3	25	253.7	19.3	14.1
6th	15.5	-26.5	-4.1	-11.7	-14.4	-0.4	-26.2	21.5	0.9	-2.5
7th	2.6	2.1	14.5	19.5	5.4	22.2	-26.9	5.1	-4.3	-1.3
8th	5.7	0.3	-5.7	1.8	-2.1	2.6	10.1	2.2	3.2	-1.3
9th	-9.1	4.8	-2.3	3.4	2.3	1	8	-0.4	1.2	3.7
10th	-6.9	2	6.7	1.2	-0.3	1	-5.9	1	0.4	1.2
11th	16.5	6.4	31.8	22	5	-3.8	-22.7	-21	5.4	-0.8
12th	5.3	-14.6	4.7	-22.4	0.6	-8	-2.1	9.9	-2.9	-0.4
13th	-5.3	13.4	4	22.1	-4.3	19.5	-2.1	-2.8	2.6	-2.7
14th	-0.1	-1.1	2.2	0.2	-0.6	-1.6	-0.5	3.1	1.6	-8.5
15th	-0.1	1.4	-4.4	2.6	8.7	1.5	-1.4	-2.4	-1.8	5.7
16th	-0.4	-0.3	1	-11.2	2.9	3.6	2.2	-4.4	-0.9	-3.8
17th	-1.5	0.8	1	-0.5	0.6	-1.5	1	0.2	3	-1.1
18th	-1.2	2.7	-0.5	0.8	1.4	-7.3	-0.6	0.8	-1	0.1
19th	0.3	1.7	-2.9	0.8	1.7	-5.5	-5.6	0.7	2.3	-0.1
20th	-4.4	8.7	3.5	-4	-2.2	-15.6	5.6	-10.4	-0.3	-2.1

RUN 35 PT 17

V/OR = 0.042 ALFS,U = -2.01 CLRH/S = 0.080030 CTH/S = 0.080049
VKTS = 16.5 MTIP = 0.606 CXRH/S = 0.001959 CP/S = 0.005110

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	185.4		34.8		50.1		73.5		68	
RMS	63		35.9		29		94.9		42.4	
1/2 P-P	119.2		79.6		59		161.6		84.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-23.8	69	-26.7	18.7	-27.2	-5.1	-109.2	-19.5	-13.2	-3.3
2nd	7.5	8.7	0.6	1.5	-0.1	-1.4	-65	-13.7	-51	-2.3
3rd	-16.7	0.7	-15.9	10.2	-16.9	14.6	-14.5	26.4	-18.4	3.5
4th	-13.4	-11.9	-13.6	-4.7	-12.8	-2	7.7	6.2	14.1	-0.3
5th	22.3	-19.8	13.2	-16.5	8	-9.1	-8.5	9.7	10.5	1.5
6th	-1	-1	-2	-0.4	-1.8	0.5	1.9	-0.6	2	0.2
7th	-10.9	-11.1	-9.5	-7.1	-4	-2.9	2.1	0.3	-7.3	-1.2
8th	14.2	-13.4	7.8	-11.6	2.6	-4.3	3.5	-2.7	-1.1	-2.4
9th	0	-3.2	0	-1.7	0	0.7	0.2	-1.4	-0.3	-0.4
10th	-7.9	0.2	-4.4	1.8	0.2	0.9	-3.1	1.4	3.3	-1.2
11th	-10.9	-8.7	-8.5	-1.7	-0.3	2.1	-5.4	-0.5	4.6	0.5
12th	0	1.7	0.1	1.3	-0.5	0.3	0.1	1	-0.4	-0.2
13th	-4.1	2.5	-2.3	2.2	-0.1	-0.7	-0.6	0.5	-0.2	0.9
14th	-2.1	-0.6	-1.2	0.7	0.4	0.1	0.5	0.3	-1.1	-0.2
15th	6.8	3.6	2.6	-0.5	-2.9	-0.8	-3.5	-0.5	2.9	-0.5
16th	-1.8	8.1	1.7	2.2	0	-3.7	-1.3	-4.1	1.5	2.3
17th	0.7	-0.4	0.8	0.3	-0.2	0.2	-0.3	0.2	1.3	0.8
18th	2.3	-1.8	0.4	-0.5	-0.6	1.2	-0.5	1	0.1	0.9
19th	2.3	-0.7	0	0	-0.6	1.1	0	0.2	-1.7	0.9
20th	0.2	-1	0	0.5	0.2	0.2	0.1	-0.3	0.5	0.2

D-689

RUN 35   PT 17

V/OR = 0.042   ALFS,U = -2.01   CLRH/S = 0.080030   CTH/S = 0.080049
VKTS = 16.5   MTIP = 0.606   CXRH/S = 0.001959   CP/S = 0.005110

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
MEAN	55		694.6		246.6		1128.6		-214.3	
RMS	335.1		271.2		301.3		270		139.2	
1/2 P-P	672.1		672.9		733.7		583.5		257.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-51.5	457	22.6	316.7	100.7	286.4	148.3	183.9	6.3	180.9
2nd	24.4	0.6	21.6	-13.7	30.4	-13.9	33	-16.6	58.9	23.4
3rd	8.1	-88	-13.2	-91.9	-18.5	-112.8	-28.4	-96.7	4.2	-14.8
4th	-10.2	2	-28.5	26.8	-41.2	34.9	-51.1	39.2	-14.1	-29.1
5th	-17.2	46.6	-46.6	169.2	-75.2	253.3	-68.4	259.4	17.3	14.2
6th	11.1	-2	-0.2	-2.5	-7.6	-2.2	-14.1	-1	5	1.5
7th	-1.9	5.8	7.1	8.9	5.9	5.8	-6.8	-6	-3.1	-1
8th	3.5	4.6	-4.1	14.4	-3.2	8.5	5.6	-8.3	4.8	-4
9th	-21.2	-1.4	-11.9	3.8	-0.6	0.8	14.8	-0.6	-3.2	1.9
10th	2.9	-6.3	7.1	-6.3	0.5	-2.5	-5.8	5.7	-1.7	-0.8
11th	38.4	-1.3	44.1	-5.2	14.3	-6.4	-29	0.1	5.3	-2.8
12th	4.4	2.7	5.9	-0.3	4.6	0.8	-1.7	1.1	-0.4	0.2
13th	-17.8	17	-17.9	32.8	-17.5	27.3	3.6	-7.2	-0.9	2.6
14th	1.1	0.6	2.4	-1.3	-1.6	-0.8	-1.3	1.5	4	-3.5
15th	0	0.6	-4.7	-1.8	7.6	-1.9	-1.6	-1.3	1.1	2.3
16th	-1.1	-0.4	-2	-5.8	2.8	6.6	2	-3.2	-4	-1.4
17th	-5.6	0.4	3.2	-1.3	8.5	-4.2	3	-0.5	0.7	-1.8
18th	-0.9	-0.8	-2	1.4	0.9	-3.3	-0.9	2.3	0.7	-0.6
19th	-2.6	-2.1	2.1	-0.1	8.5	-3.2	1.7	2.4	0.5	0.3
20th	-2.2	-2.2	1.5	0.9	5	0.3	4	2.6	0.3	-1.8

D-690

RUN 35   PT 18

V/OR = 0.031   ALFS,U = -2.01   CLRH/S = 0.079883   CTH/S = 0.079912
VKTS = 12.4   MTIP = 0.604   CXRH/S = 0.002246   CP/S = 0.005429

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	185.3		36.9		52.5		76		77.6	
RMS	56.6		27.5		19.1		82.7		34.8	
1/2 P-P	129.5		74.3		40.3		136.8		72.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-25.9	68.5	-23.6	20.4	-21.3	-1.9	-110.7	-18.5	-19.9	-4.4
2nd	2.4	7.1	0.5	2.5	-0.4	0.6	-21.2	-7.9	-40.4	-0.4
3rd	-3	-1.1	-4.8	4.4	-6.6	7.2	-11.9	14.6	-8.7	1.9
4th	-2.6	-6.2	-4.2	-3.9	-4.4	-2.8	4.3	4.7	11.5	-1.3
5th	7.5	-13.5	0.4	-11.3	-3.3	-7.4	2.7	7.8	7.5	0.9
6th	-3.9	0.5	-4.6	1.3	-4.5	1.4	3.8	-1.3	-1.4	1.7
7th	-13.7	-6.5	-10.9	-2	-4.7	-0.1	1.8	-1.6	-6.9	0
8th	-4.4	3.9	-2.1	4.2	0.3	2.2	-0.8	0.6	-0.8	0.5
9th	-5.5	1.8	-1.9	3.7	0.8	2.5	-2.3	1.2	2.5	0.3
10th	1.2	-2	0.8	-0.7	-0.2	0.7	0.5	-0.5	0.2	0.9
11th	17.1	10.5	10.9	2.4	-1.6	-1.6	6.7	0.9	-5.3	-0.9
12th	0	-0.8	-0.1	-0.3	-0.1	0.4	-0.1	-0.2	-0.4	-0.2
13th	2.7	-2.5	0.1	-1.9	-1.3	0.8	-1	-0.1	0.6	-0.2
14th	0.3	1.6	-0.2	0.2	-0.8	-0.6	-0.5	-0.5	0.6	0.8
15th	-7	1.6	-1.9	1.6	2.8	-1.3	2.6	-1.8	-2.4	1.4
16th	-1.4	0.5	-0.4	0.3	0.9	0.1	0.5	-0.4	-0.7	0.1
17th	-0.4	1.9	0.6	0.4	-0.3	-0.9	-0.6	-0.7	0.6	0.3
18th	-0.2	0.2	0.3	0.2	0.1	-0.3	-0.2	-0.1	0.5	0.3
19th	1.7	-1.1	-0.3	0	-0.4	1	0.1	0.4	-0.7	0.9
20th	0.7	0.6	-0.1	-0.1	-0.7	0.2	0	0.2	-0.8	0

RUN 35   PT 18

V/OR = 0.031	ALFS,U = -2.01	CLRH/S = 0.079883	CTH/S = 0.079912
VKTS = 12.4	MTIP = 0.604	CXRH/S = 0.002246	CP/S = 0.005429

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	57		694		242.9		1124.5		-226.1	
RMS	322.2		233.1		229.4		190.6		121.6	
1/2 P-P	549.2		497.8		521		400.2		209.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-116.6	435.3	-32.5	301.2	44.1	266	99.4	170.3	2.4	167
2nd	-1.4	-4	-3.3	-10.2	-0.6	-10.6	3.2	-9.6	30.7	13.4
3rd	21.7	-46.3	7.2	-47.1	2.7	-56.6	-3.2	-49.3	12.8	-5.2
4th	3.9	0.7	-2.8	12.2	-5.4	17.1	-9.6	17.7	-1.6	-13
5th	-1.7	35.6	-29.7	108.2	-52.9	157.9	-60.3	161.2	8.5	0.2
6th	8.7	-1.7	3.3	-5	2.2	-6.1	-5.8	-4.3	3.3	0.7
7th	-7.4	-5	6	2.5	9.6	5.9	-0.7	6.2	-1.7	-2.5
8th	0.1	-1.5	2.5	-4	0.3	-2.6	-2.9	4	-1.1	-2.3
9th	-14.5	-15.3	-6.3	-10.4	0.1	-4.2	8.7	9.6	-2.4	-2.1
10th	1.2	-3.7	-0.6	-1.4	-0.3	-1.1	0	1.3	0.7	-1.7
11th	-5.6	-5.2	-22	-6.8	-0.2	0.7	16.2	5.1	0.3	3.5
12th	2.2	-1.9	1.5	-2.6	0.8	-2	-1.6	1.2	0.8	-0.5
13th	-10.6	3.3	-17	12.5	-10.4	5.4	4.4	-4.9	-0.8	1.6
14th	0.1	0.9	-1.2	0.2	0	1.6	-0.6	-1	1.9	3.3
15th	0	-0.2	2.1	-7.6	-6.9	-1.5	0.7	0.4	-1.5	-3.2
16th	0.3	0.4	-2.1	3	-4.5	4.8	-0.9	1	0	0.6
17th	-3	-1.1	1.7	-0.4	5.4	2.7	2	-1.3	-1.8	0.3
18th	0	-0.6	-1.9	0.7	-1	2	-0.9	0.5	0.7	-0.5
19th	0.1	-1.4	1.1	1.9	3.1	-0.9	0.5	3.4	0.6	0.3
20th	4.4	-9.9	-0.8	4.5	3.1	16.5	-0.9	12.3	-0.3	1.4

D-692

RUN 35   PT 19

V/OR = 0.031   ALFS,U = -2.01   CLRH/S = 0.079985   CTH/S = 0.080014
VKTS = 12.3   MTIP = 0.604   CXRH/S = 0.002242   CP/S = 0.005431

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	185.1		37		52.6		76.8		77.6	
RMS	56.7		27.4		19.1		83.2		34.6	
1/2 P-P	128		70.3		39.4		138		72.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-25.5	69	-23.4	20.6	-21.2	-0.9	-111.4	-18.2	-19.6	-4.6
2nd	2.7	7.2	0.6	2.5	-0.3	0.9	-20.7	-8.8	-40.2	-0.7
3rd	-3.7	-1.1	-5.4	4.8	-7	7.3	-12.6	15.8	-8.7	2
4th	-2	-6.6	-4	-4.3	-4.1	-3.3	4	5.2	11.5	-1
5th	7	-13.1	0.1	-10.9	-3	-6.8	2.8	7.3	7.5	1.1
6th	-4.1	-0.2	-5	0.8	-4.8	0.7	4	-1	-1.7	1.5
7th	-13.5	-6.4	-10.9	-2.1	-5.3	-0.3	1.8	-1.6	-6.8	0.1
8th	-4.8	3.3	-2.3	3.9	0.2	1.8	-0.8	0.4	-0.8	0.4
9th	-6	2.1	-2.1	4	1.2	3	-2.5	1.4	2.5	0.3
10th	1.2	-2.4	0.8	-0.9	0	1.1	0.5	-0.7	0.3	0.9
11th	15	12	10	3.5	-1.8	-1.7	6.4	1.7	-5.2	-1.4
12th	0.5	-0.1	0.3	-0.1	0.2	-0.2	0.3	-0.1	-0.6	-0.2
13th	3	-2.5	0.3	-1.9	-0.8	1	-0.9	-0.1	0.6	-0.1
14th	-0.2	1.1	-0.3	0	-0.6	-0.5	-0.4	-0.5	0.4	0.7
15th	-6.3	1.8	-1.5	1.6	2.1	-1.5	2.2	-1.9	-2.1	1.4
16th	-1.1	0.3	-0.3	0.2	0.7	-0.2	0.4	-0.4	-0.5	0.1
17th	-0.1	1.2	0.6	0.1	0	-0.6	-0.5	-0.4	0.6	0.2
18th	0	0.6	0.3	0.3	-0.2	-0.3	-0.2	-0.3	0.4	0.4
19th	1.8	-0.6	-0.2	-0.2	-0.7	0.9	0.1	0.2	-0.9	0.6
20th	1.5	0	0.1	-0.2	-0.8	0.8	0.2	0.1	-1.1	0.4

D-693

RUN 35   PT 19

V/OR = 0.031 ALFS,U = -2.01 CLRH/S = 0.079985 CTH/S = 0.080014
VKTS = 12.3   MTIP = 0.604   CXRH/S = 0.002242 CP/S = 0.005431

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	55.3		692		239.8		1121.9		-225.8	
RMS	322.3		233.5		230.4		191.8		122.3	
1/2 P-P	552.5		504		518.5		401.2		210.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-114.1	435.9	-30.7	301.6	46.1	266.2	100.5	170	1.6	167.9
2nd	-2.2	-2.7	-3.8	-7.9	-1.8	-8	2.7	-7.6	31.3	13.6
3rd	21.8	-48.2	6.8	-49.4	2.6	-60.5	-3.8	-52.5	13.6	-6.3
4th	3	1.1	-3.5	12.3	-5.6	17.1	-10.2	17.7	-0.8	-12.5
5th	-0.7	35.7	-27.1	109.3	-49.2	159.7	-56.4	163.9	7.2	1.1
6th	9.3	-1.3	4.3	-4	3	-4.9	-5.4	-3.4	3.4	-0.2
7th	-6.2	-5.9	6.1	2.7	9.3	6.2	-2	6.9	-1.4	-2.8
8th	0.8	-1.2	3.4	-3.5	1	-2.6	-3.1	3.4	0.6	-1
9th	-14.2	-15.4	-6.2	-10.7	0.5	-4.4	8.6	9.9	-1.4	-2
10th	1.5	-3.6	-0.1	-1.4	-0.5	-1.3	0	1	1.1	-1.1
11th	-4.6	-6.3	-20.2	-9.6	-0.2	0.5	15.3	7.1	-0.4	2.4
12th	1.4	-0.7	0.6	-1.3	0.4	-0.8	-0.6	0.6	0.2	-0.7
13th	-11	2.5	-18.3	12.1	-10.9	4.8	4.7	-4.5	0.2	1.9
14th	0.2	0.2	-1.2	-0.4	-1	0.5	-0.1	-1.1	1.5	2.8
15th	0	-0.2	1.3	-7.6	-6.4	-1.5	0.8	0	-1.1	-2.8
16th	0.2	0.5	-2.3	3	-4.4	4.8	-0.8	0.9	-0.4	0.2
17th	-2.8	-1	1.9	-0.1	5.8	1.9	2.1	-0.9	-0.2	1.6
18th	0.1	-0.7	-2.1	0.3	-1.7	1.8	-0.9	0.1	1.5	-0.7
19th	0.2	-1.9	0.9	1.6	4.1	0.5	0.5	3	1.5	0.4
20th	3.7	-9.3	-0.3	5.5	4.2	15.6	-0.3	12.8	1	1.6

V/OR = 0.013   ALFS,U = 0.00   CLRH/S = 0.080247   CTH/S = 0.080247
VKTS = 5.2   MTIP = 0.603   CXRH/S = -0.000257   CP/S = 0.006588

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	210.7		43.5		55.8		44.9		87.6	
RMS	56.5		45.3		50.8		53.4		29.1	
1/2 P-P	178.9		124.6		173.8		141.1		72.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-13.7	24.3	-18.1	8	-33.8	8.9	-35.7	10.3	-19.8	1.3
2nd	5.3	1.6	7.5	-4.2	13.9	-17.6	37.7	3.7	13	-3
3rd	-7.4	-9.5	-13.4	-6.7	-12	6.1	-24.1	20.5	10.6	6.3
4th	-11.5	2.7	-10.8	5.8	-21.7	-3.1	1.4	2.5	11	-5.9
5th	3	-6.7	-1.5	-5.6	7.5	-5.4	2	8.1	3.9	-3.1
6th	9.8	10.6	12.2	6.1	1.5	14.1	-10.6	-4.6	6.9	-0.3
7th	11	0.9	9.1	-1.9	4.8	-14	-1.5	0.8	7.5	-1.8
8th	-4.8	5.7	-3	4.5	2.8	7.1	-0.2	0.4	-1.5	1.2
9th	-0.6	4	-0.6	2	-9.4	1.8	0.4	0.7	-0.9	-0.7
10th	4.8	5.4	3.2	2.3	5.2	-6.3	3.2	1.4	-3.7	-2
11th	6	13	5.7	6	-3.2	6.7	4.4	3	-4.4	-2.9
12th	-2.2	-6.6	-2	-2.2	-2.9	-5	-0.4	-0.1	-0.1	-1
13th	0.4	-2.1	-0.3	-0.9	6.8	4.6	0.3	-0.4	-0.7	-0.4
14th	3.5	-0.4	0.6	-0.9	-8.3	0.8	-1.3	0.2	1	-1.3
15th	-1.6	-3	-1.2	-0.4	6.4	-1.7	1.9	0.7	-1.7	-1.3
16th	-1	-2.5	-0.9	-0.2	0.2	7	1.2	1.1	-1.1	-0.7
17th	0.2	-1.5	0	-0.2	-2.2	-3	0.2	0.2	-0.6	1
18th	-0.5	-0.6	0	0.3	3.9	0.7	0	-0.2	0.1	0.7
19th	1.2	0	-0.1	-0.1	-2.7	2.3	-0.1	-0.1	-1.5	0.1
20th	1.9	4.4	0	-0.3	-1.5	-4.7	0.4	0.4	-2.2	-1.4

RUN 48   PT 5

V/OR = 0.013	ALFS,U = 0.00	CLRH/S = 0.080247	CTH/S = 0.080247
VKTS = 5.2	MTIP = 0.603	CXRH/S = -0.000257	CP/S = 0.006588

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	117.1		774.7		318.8		1204.3		-241.4	
RMS	137.4		159.4		199.2		191.9		60.6	
1/2 P-P	358.9		372.9		458.2		468.3		146.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	48.2	114	68.1	76.7	92.6	71.7	67.3	34	34.8	54.7
2nd	-21	27.6	-22.7	42.3	-37.3	60.1	-49.1	42.5	-6.2	6.7
3rd	74.1	-35.4	65.4	-47.2	74.3	-48	61.2	-52.5	4.9	-18.3
4th	-7.9	-5.2	-43.6	18.2	-68.7	32.8	-75	41.1	-21	-1.2
5th	2.3	-0.3	-38.4	4.7	-63.4	8.9	-75	4.2	8.5	0.5
6th	-16.5	11	-0.4	1.8	10.8	-3.9	34.1	-8	-8.7	4.5
7th	-16.4	8.3	-7.6	2.9	5.5	-4.5	28.8	-16.7	0.8	-3.8
8th	4.4	1.6	3.6	-3.8	0.7	-2.8	-3.5	0.3	-2.4	2.6
9th	6.3	-4.9	1.2	-5.6	-0.5	1.9	-4.7	7.6	-1.4	1
10th	4.7	-0.4	-3.2	-4.2	-2.5	0.5	0.4	2.9	-1.5	-0.3
11th	-1.3	-17.4	-14.2	-23.4	-3.5	-3.6	7.8	17.4	-1.8	-0.6
12th	-0.2	6	3.2	11.7	-2.7	2.3	-2.4	-4.3	1.1	-2.9
13th	-0.8	-2.8	-3.4	-2.4	-3.1	-4	0.1	0.8	2.6	-0.7
14th	-0.5	0.3	-2.8	2.8	0.9	0.4	-1	-0.9	1.8	2.9
15th	0.1	-0.4	-0.6	3	-5.5	0.7	-0.4	1.6	1.6	-0.8
16th	0.3	0.5	3.8	-0.1	0.2	-4.3	1	1.3	1.8	-2.9
17th	-0.7	0.2	1.1	0.5	0.7	-2.1	0.7	1.6	-0.3	-0.4
18th	-0.3	-0.5	0.5	1.7	0	2.3	1.3	2.3	-0.2	-1.3
19th	-2.8	-1.4	1.5	1.4	6.8	0.6	2.1	1.4	1.2	-0.3
20th	-2.2	-0.5	-1.2	0.2	8.2	2.3	-1.6	-3.2	1	0.4

D-696

RUN 48   PT 6

V/OR = 0.021   ALFS,U = 0.00   CLRH/S = 0.082654   CTH/S = 0.082654
VKTS = 8.4   MTIP = 0.606   CXRH/S = -0.001121   CP/S = 0.006336

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	204.6		41.6		67.2		50.7		82.4	
RMS	54.8		29		76.6		62.3		35.4	
1/2 P-P	111.4		69.3		266.8		114.6		62.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-42.2	57	-27.8	16.8	-51.5	20	-80.7	-13.8	-46.7	0.8
2nd	0.5	3.7	0.8	1.8	2.6	-33.3	0.4	1.9	-10.6	-0.1
3rd	-2.8	1.2	-8.7	7.5	8.3	41.4	-13.2	22.1	6.3	2.2
4th	6.6	-3.9	4.9	-4.8	-25.6	-15.7	-6.7	1.2	-1	3.1
5th	4.7	8.7	3.8	6.7	29.4	-7.1	-2.4	-7.8	-2	-0.1
6th	-1.4	2.2	-0.4	2.1	-11.4	29.3	-0.7	-2	-1.9	1
7th	-4.4	-6.6	-3.2	-3.1	-8.6	-24.9	0.1	-1	-0.8	0
8th	3.7	3.7	2.9	2.6	18.8	10.5	0.8	0.9	0.7	1.1
9th	3.4	0.8	2.4	0.5	-18.8	6.7	1.4	0.2	-1.4	-0.2
10th	1.8	1.6	1.2	1	9.8	-13.3	0.5	0.6	-0.4	-0.7
11th	-6.5	-3.8	-3.9	-1.2	1.2	13.9	-2.5	-0.6	2.5	0.4
12th	-0.1	-0.6	-0.3	-0.4	-9.1	-8.8	-0.2	0	0.3	-0.1
13th	1.4	-0.6	0.6	-0.9	11	1	-0.3	-0.2	0	0
14th	-0.4	-0.3	0	-0.4	-6.5	6	0.3	-0.2	-0.3	-0.5
15th	0.9	-0.3	0.1	-0.4	0.4	-7.8	-0.1	0.4	0.2	0.2
16th	-0.9	0.1	-0.3	0.2	4.5	6	0.4	-0.1	-0.1	0.6
17th	0.1	-0.2	-0.3	-0.3	-5.1	-1.3	0	0.1	-0.2	-0.3
18th	-0.1	0.2	-0.2	-0.1	4.1	-2.2	0	0	-0.5	-0.1
19th	-0.8	-0.1	0	0.2	-1.2	3.8	-0.1	-0.1	0	-0.2
20th	-1.6	-0.9	-0.2	0	0	-4.9	-0.2	-0.3	0.7	-0.3

D-697

RUN 48   PT 6

V/OR = 0.021   ALFS,U = 0.00   CLRH/S = 0.082654   CTH/S = 0.082654
VKTS = 8.4   MTIP = 0.606   CXRH/S =-0.001121   CP/S = 0.006336

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	93.5		751.3		289		1182.2		-240.4	
RMS	282.2		201.6		195		156.2		94.8	
1/2 P-P	538		496.7		481.4		356.7		183.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-94.2	373	-16.9	257.6	38.2	225.9	73.6	143.7	1.6	130.5
2nd	-14.4	-17.7	-16.9	-15.6	-22	-15	-19.4	-12.5	6.8	3.5
3rd	73.9	-55.2	47.1	-60.3	39.9	-73.5	22.6	-61.3	8	-8.8
4th	1.3	6.7	10.3	9.3	14.7	12.7	18.8	7.4	12.2	-3.2
5th	-21.9	-2.7	-72	12.1	-111	17.7	-116.3	25.6	-5.2	8.1
6th	-4.4	3.8	-0.6	3	1.7	1.8	3.2	1.3	-2.1	5.7
7th	-7.5	-13.5	-0.9	0.3	2.7	6.4	4.2	8.5	-2.9	-3
8th	-0.2	0.4	-4	-2.4	-3.4	-2.9	0	0.4	2.7	0.9
9th	2.6	-5.9	-2.1	-3.4	-1.2	-1	0.7	3.9	-0.2	-0.2
10th	3.8	-4.6	0.7	-5.4	1.2	-2.2	-0.2	3.1	-0.8	-0.3
11th	2.8	15.3	10.9	13.9	0.7	4.8	-7.4	-9.4	-0.5	1.2
12th	-1.5	4	-0.1	5.2	-0.7	2.5	-0.4	-2.6	1.2	0.8
13th	-1.3	-4.6	-5.5	-7	-2.8	-6.5	1.5	0.8	0.1	0.2
14th	-0.2	-0.4	1.3	-2.7	0.3	-2.3	0.3	0	-1.1	-0.6
15th	-0.3	-0.1	-1.7	3.9	-0.8	3.5	-0.5	0.1	0.5	2.7
16th	0.2	-0.2	0.3	-3	-1.4	-2.9	0.4	-0.5	-0.3	-1.1
17th	1.7	0.9	-0.4	-0.1	-2	-0.8	-0.6	0.1	-0.1	-0.2
18th	1.9	0.8	-0.5	0.2	-2.6	0.8	-1.6	0.4	-0.2	0.4
19th	0.9	-1	-0.5	0.2	-1.9	2.4	-0.3	1	-0.7	-1.1
20th	2.7	8.2	-1.1	-2.6	-12.7	-8.3	-6.3	-6.8	-0.5	-1.7

D-698

RUN 48   PT 7

V/OR = 0.031   ALFS,U = 0.00   CLRH/S = 0.083695   CTH/S = 0.083695
VKTS = 12.3   MTIP = 0.606   CXRH/S = -0.001005   CP/S = 0.005807

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	207.5		45		69.8		82.3		78.7	
RMS	60.2		30		66.6		86.8		35.4	
1/2 P-P	141.8		79.2		179.9		142.7		72.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-35.2	68	-28	19.3	-60.7	15.5	-116	-21.6	-19.8	-5.7
2nd	3.4	6.3	0.8	1.5	6.4	-26.1	-20.8	-11.8	-41	-2.5
3rd	-4	-0.3	-5.3	4.9	9.1	27.9	-11.3	14.7	-8.9	0.4
4th	-2.9	-7.7	-4.6	-5	-31.5	-8.8	4.2	5.7	12	-0.7
5th	11.1	-13.7	2.7	-10.7	23.6	-17.1	1.3	6.3	7.4	1.6
6th	-5.3	-0.5	-5.4	0.7	-14.8	19.7	3.7	-1	-1.8	1.7
7th	-14.6	-7.2	-11.7	-2.9	-11.1	-13.7	1.7	-1.2	-7.1	-1
8th	-3.7	4.1	-1.1	3.9	9.9	4.2	-0.7	0.7	-0.7	-0.1
9th	-7.3	0.8	-3.2	3.8	-7.9	7.3	-2.9	1	2.6	0.7
10th	3.4	-1.5	1.7	-0.9	5	-7.6	1.1	-0.8	-0.1	1.2
11th	15.4	18.9	11.2	7	-1.6	3.7	7	3.5	-5.2	-3.1
12th	0.2	-1.5	-0.5	-0.6	-3.7	-2.2	-0.2	-0.1	-0.2	-0.2
13th	2.6	-1.3	0.3	-1.6	2.7	-0.1	-1	-0.2	0.4	0.1
14th	0.3	0.8	-0.1	-0.1	-1.4	2	-0.4	-0.3	0.4	0.6
15th	-8.4	0.3	-2.5	1.5	3.2	-5.6	3.4	-1.5	-2.8	1
16th	-0.6	-0.8	-0.5	-0.2	0.6	4.8	0.4	0.4	-0.5	-0.2
17th	-0.6	2	0.6	0.5	0	-2.8	-0.6	-1	0.3	0.5
18th	-0.4	-0.1	-0.1	0.1	-0.4	0.4	0.1	-0.1	0.2	0.5
19th	2.7	-0.6	-0.1	-0.1	-0.7	1.2	-0.1	0.4	-1	0.7
20th	-0.9	0.6	0.1	-0.1	-0.5	-1.8	-0.2	0.4	0.2	-0.9

D-699

RUN 48   PT 7

V/OR = 0.031   ALFS,U = 0.00   CLRH/S = 0.083695
VKTS = 12.3   MTIP = 0.606   CXRH/S = -0.001005   CTH/S = 0.083695
CP/S = 0.005807

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	60.8		705.9		230.7		1116.2		-244.8	
RMS	328.4		241.1		244.1		208.4		124.9	
1/2 P-P	567		522.9		546.2		421.5		219.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-90.7	450.2	-4.2	311.3	70.8	276.4	120.6	178.1	5.4	170.8
2nd	0.9	-5.5	-1.2	-10.6	1.1	-9	5.7	-6.7	32.1	15.4
3rd	14.9	-50.5	0	-50.3	-4.3	-61.2	-9.8	-52.1	12.2	-3.4
4th	2.8	2.4	-3.9	13.7	-7.2	18.7	-12.6	19	-3.8	-15.3
5th	-4.2	31.5	-42.3	111.3	-72.6	164.8	-79.9	170.6	10.3	-0.2
6th	9.3	-0.8	3.5	-4.3	0.9	-5.7	-8.4	-4.7	3.4	0.5
7th	-4.1	-0.4	7.4	4.1	7.6	4.2	-5.8	1	-1	-1
8th	0.2	-1.7	1.7	-3.4	-0.3	-1.4	-2.2	5	0.6	-1.5
9th	-19.4	-19	-8.6	-11.2	0.1	-5.5	11	10.7	-4	-0.7
10th	1.1	-4.7	-2.1	-2.3	-0.5	-1.7	0.5	1.5	-1	-0.7
11th	-1.5	-18.3	-22.6	-25.4	-0.1	-2.9	15.6	17.6	-0.9	1.9
12th	1.6	1.3	1.9	1.4	0.3	-0.4	-1.9	-1	0.4	-2
13th	-9.1	0.8	-16.6	7.3	-9.8	2.4	4.2	-3	-0.1	1.4
14th	0.4	0.4	-1.6	-0.4	-0.5	-0.2	-0.1	-0.8	0.7	2.7
15th	0.2	-0.2	2.9	-8.4	-9.1	-2.7	0.6	0.2	-1.4	-3.1
16th	0.7	0.4	-2.2	4.8	-5.1	4.3	-1.2	1.6	-1.2	2.1
17th	-2.1	-0.8	0.7	-0.6	3.2	3.7	1.9	-1	-1.5	0.5
18th	0.3	-0.2	-1.5	0.9	-2.4	2	-0.7	0.7	0.3	-2
19th	0.7	-2.4	0.1	2.8	4.3	0.9	-0.6	5.1	-1	0.6
20th	1.8	-7.9	0.5	3	4.3	12.8	3.5	7.9	-0.3	1.5

D-700

RUN 48   PT 8

V/OR = 0.040	ALFS,U = 0.00	CLRH/S = 0.080305	CTH/S = 0.080305
VKTS = 16.0	MTIP = 0.605	CXRH/S = -0.000895	CP/S = 0.005117

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	197.3		38.1		55.9		79.8		68.2	
RMS	63		36.6		67.1		94.5		41.4	
1/2 P-P	134.2		83.2		191.6		161		82.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-28.3	66.1	-28.3	17.8	-49.3	14.9	-108.4	-19.7	-11.3	-3.8
2nd	7.7	9.1	1	1.7	-3.7	-29.3	-66.5	-13.1	-49.8	0
3rd	-13.8	0.3	-13.7	9.1	5.3	31.1	-13.1	23.5	-19.4	3.6
4th	-14.3	-10.2	-14.2	-3.3	-37.1	1.4	8.5	4.7	12	-2.5
5th	23.4	-19.5	13.7	-17.1	21.9	-27.5	-7.8	10.1	10.6	0.9
6th	-1.4	-0.5	-2.2	0.2	1.6	21.1	2.3	-0.6	2.8	0.4
7th	-8	-12.9	-7.6	-8.8	-19.3	-12.4	1.9	0.2	-6.7	-1.2
8th	10.2	-13.6	4.7	-11.2	15	-8	2.4	-2.7	-1.7	-2.1
9th	0	-4.7	-0.8	-2.6	-4.8	11.7	0	-1.9	-0.5	-0.7
10th	-5.8	1.1	-2.9	2.2	-4.5	-9.3	-1.9	1.5	2.3	-1.4
11th	-23.5	-6.2	-14.3	1.5	8.1	3.2	-8.8	1.6	7.1	-0.6
12th	0.6	1.6	0.3	1.3	-5.8	4.2	0.2	0.9	-0.1	-0.3
13th	-2.9	5.1	-1.6	2.1	1.3	-6.6	-1	-0.7	0.2	1.8
14th	-2.2	0	-1.3	0.9	2.9	2	0.5	0.2	-0.8	0.1
15th	2.7	-0.1	0.8	-1.1	-4.4	0.7	-1.2	0.3	0.6	-1.2
16th	-1.4	6.9	1.4	1.8	0.4	-4.6	-1.2	-3.4	0.9	1.9
17th	-0.7	0.4	0.6	0.9	2.4	1	0	-0.8	1.4	0.9
18th	2.5	-2.2	0	-0.3	-3.2	1.6	-0.1	1	-0.1	1.3
19th	4	-1	-0.4	-0.3	-1.7	-0.2	0.2	0.3	-2.4	1.3
20th	-0.6	-1.4	0.3	0.5	3.1	1.5	-0.1	-0.6	0.6	0.2

D-701

RUN 48   PT 8

V/OR = 0.040	ALFS,U = 0.00	CLRH/S = 0.080305 CTH/S = 0.080305
VKTS = 16.0	MTIP = 0.605	CXRH/S = -0.000895 CP/S = 0.005117

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	51.1		698.8		228.1		1110.1		-227.9	
RMS	335.8		266.7		288.5		257.3		138	
1/2 P-P	658.1		664.4		698.9		563.4		249.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-67.1	457.2	12.5	316	93.2	282.7	143.4	181.4	-0.5	178.8
2nd	25.8	0.1	20.8	-13.8	29	-14.7	32.2	-17.1	61.5	22.3
3rd	8	-80.2	-13.3	-82.6	-19.1	-101.3	-28.1	-86.7	12	-13.3
4th	-13.2	-0.3	-35.3	23.4	-50.4	30.5	-60.5	35.6	-18.1	-23.3
5th	-17.9	43.4	-55.1	154.2	-87.8	229.5	-82.4	232.9	16.3	11
6th	12.4	-2	-0.3	-3.7	-6.7	-5.1	-14.3	-4.3	5.8	-0.6
7th	-2.5	7.6	5.1	9.8	4.5	4.6	-5.7	-11.2	-4	0
8th	2.6	3.2	-2	14.1	-0.9	9.5	4	-5.5	4.3	-3.5
9th	-15.3	-8.3	-9.5	0.4	-0.3	1.4	9.6	4.7	-1.2	-0.1
10th	2.2	-8.6	4.4	-9.2	1	-3.3	-3.5	6.9	-1.7	0.4
11th	46.8	6.3	62.2	-6.2	16.5	-2.9	-40.6	0.3	1.4	-2.5
12th	1.5	5.6	3.6	4.5	4	3.4	-0.4	-1.2	-0.3	-1.8
13th	-16.1	5	-24.6	12.8	-19.4	15.3	5.1	-3	-0.9	5.7
14th	0.2	1.4	1	1.5	-2.2	2.8	-1.3	1	2.2	-2.2
15th	0.2	0.4	-0.7	-3.6	2.3	-6.5	-0.4	-1.6	1.1	1.7
16th	-0.4	-0.9	-4.1	-4.7	-0.3	6.9	0.6	-3.2	-4.1	-0.9
17th	-3.8	-1.3	2.5	-0.6	5.9	1.3	2.8	0.6	-0.4	-2.5
18th	-1.1	-0.5	-0.7	1.5	1.9	-3.6	-0.4	2.7	-0.3	-0.4
19th	0.3	-2.5	-0.3	2	5.5	-1.2	-2.4	5.4	1.5	1.5
20th	1.8	-3.2	1.1	1	-0.8	5	2.7	5.9	2	-3.3

D-702

RUN 48　　PT 9

V/OR = 0.050　　ALFS,U = 0.00　　CLRH/S = 0.079955　　CTH/S = 0.079955
VKTS = 20.1　　MTIP = 0.606　　CXRH/S = -0.000699　　CP/S = 0.004883

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	194.9		33.5		36.7		51.2		56.5	
RMS	72.5		52.3		50.4		107.6		52.7	
1/2 P-P	169.3		129.6		119.6		201.5		110.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-21.1	57.8	-27.8	12.9	-35.6	-6.1	-97.2	-17	-10.5	-5.6
2nd	10.5	8	1.3	-1.5	-2.7	-7.9	-86.7	-22.8	-54.2	0.2
3rd	-31.2	12.2	-29.5	25.9	-29.7	35.4	-32.7	57.7	-31.4	9.8
4th	-29.2	-20	-26.9	-7.4	-26.7	-3.4	17.1	9.3	21.8	-5.5
5th	24.8	-32.5	13.5	-26.4	10.4	-16.3	-8.5	15.1	19.8	-0.7
6th	-11	5.6	-9.8	8.7	-8.6	10.4	7.3	-8	3.2	4.8
7th	-26.7	-20.9	-21.9	-10.8	-11.9	-4	4.4	-1.8	-16	0.9
8th	19.9	5.4	14.7	0.8	5.6	1.5	4.3	1.9	-3.2	-0.1
9th	-5.4	2.7	-2.7	2.7	-0.4	1.4	-1.9	0.7	1.4	-2.8
10th	-10.5	-7.2	-7	-2.9	0.3	-1.2	-4.7	-1.6	6.2	-0.8
11th	-8	-23.1	-8.8	-10.3	-0.8	3.6	-5.5	-5.9	4.9	6.1
12th	-1.4	-1.4	-0.9	-0.9	-0.2	0.5	-0.3	-0.3	0.5	1.6
13th	-4.9	2.5	-2.1	2.4	1.7	-1.5	0.1	0.4	-1	0.1
14th	-3.1	0.9	-0.9	1.9	0.3	0	0.9	0	-2.3	0.1
15th	2.3	0.5	0.7	-0.8	-1.7	0.4	-1.2	0.4	0.8	-0.9
16th	1.6	9.6	2.7	1.6	-0.9	-4.2	-3.2	-3.7	3.1	2.2
17th	-2.6	0.8	0.4	0.3	1.4	-0.2	0.5	-1.1	1.4	-0.1
18th	0.4	-4	-0.2	-0.7	-0.6	1.8	0.8	1.3	0	1
19th	6.7	-2.1	-0.6	-0.4	-1.4	2.5	0.3	1.1	-3.2	2.9
20th	-5.5	-0.2	0.6	0.1	1.8	-0.5	-0.7	0.1	3.2	-1.9

RUN 48   PT 9

V/OR = 0.050
VKTS = 20.1

ALFS,U = 0.00
MTIP = 0.606

CLRH/S = 0.079955
CXRH/S = -0.000699

CTH/S = 0.079955
CP/S = 0.004883

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	47		707.6		256.8		1149.8		-206.9	
RMS	340.4		290.7		338		311.7		150.6	
1/2 P-P	669.3		650.7		768.7		721.1		284.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-34.5	452.1	36.6	314	121.7	283.3	164.7	178.6	7.2	184.4
2nd	32.4	17.8	32.6	-1.7	49.5	-1	54.9	-7.6	74.8	30.5
3rd	-14	-142.9	-56.9	-149.9	-65.6	-190.5	-82	-165.2	11.2	-20.8
4th	-24.9	1.4	-62.7	57	-90.6	80.3	-108.5	92.4	-36.8	-43.9
5th	-16.4	41.3	-28.1	175.6	-41.3	268.3	-26.9	270.3	21.5	13.1
6th	16.9	-25.5	-1	-14.9	-8.9	-6.4	-24.3	15.9	8.2	-5.4
7th	-0.5	3.9	11.2	17.8	2.9	18.1	-26.9	3.2	-5.9	2.3
8th	0	4	-8.4	2.9	0.2	1.8	18.7	1.6	2.2	-0.9
9th	-15	2.3	-4.8	0.5	1.8	-0.2	10.1	2.4	-2.2	3.8
10th	-11.2	2.6	2.7	7.2	-1.5	1.6	-2.9	-4.1	-0.8	-0.6
11th	17.6	11.3	29.3	21.5	6.6	-1.7	-20.3	-18.9	5.7	-2.5
12th	3.2	-8.8	2.8	-9.8	1	-5.5	-0.9	3.3	0.1	2.8
13th	-8.5	8.6	-6	16.6	-8.4	16	1.1	-2.2	0.9	0.7
14th	-0.7	0	0.7	1.3	-2.2	4.3	0.4	2.5	0.9	-7
15th	-0.3	2	-0.8	2.5	3.1	-0.2	-1.1	-0.8	0	3
16th	-0.4	0	-6.5	-6.5	3.9	5.8	-0.3	-5.6	-5.7	1.4
17th	-2.5	0.4	2.4	-1.5	1.4	0.9	3.7	-1.1	-3	-1.2
18th	-0.8	1.5	2	2.6	-0.7	-5	1.9	3.4	0.5	0.5
19th	1.2	0.8	-3	4.7	1.9	-5	-8.2	6	2.8	-1.9
20th	-3.1	8.2	2.9	-4.7	-5.7	-10.4	5.2	-13.8	-2.1	-2.3

D-704

RUN 48   PT 10

V/OR = 0.061   ALFS,U = 0.00   CLRH/S = 0.080292   CTH/S = 0.080292
VKTS = 24.3   MTIP = 0.604   CXRH/S = -0.000872   CP/S = 0.004659

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	195		31.2		30.8		11.5		43.6	
RMS	85.9		69		68.7		118.9		54.6	
1/2 P-P	200.4		174.6		164		234.8		111.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-14.2	60.2	-26	13.5	-36.7	-7	-74.2	-23.1	-14.6	-9.2
2nd	14.3	3.2	0.2	-5.6	-6.4	-10	-99.6	-18.8	-48	-0.1
3rd	-42.4	24.8	-42.2	43.1	-46.4	54.1	-43.8	91.5	-33.3	18.2
4th	-45.4	-23.2	-41.5	-5.6	-39.1	0.6	22.9	11.7	24.6	-4.9
5th	30.1	-30.9	18.6	-22	15	-10.9	-12.9	6.6	22.2	-7.5
6th	-26.9	4	-24.1	10.5	-19	11.2	17.1	-12	2.8	3.9
7th	-30.6	-29.8	-28.3	-16.1	-15.8	-5.4	7.6	-3	-20.4	1.5
8th	15.7	15.5	11.6	9	3.6	4.3	4.7	4.2	-7.4	3.4
9th	-9.1	2.7	-5.9	4.8	-0.7	3	-4.5	0.8	2.2	-1.5
10th	-17.9	-4.7	-11.5	0.6	-0.1	-0.5	-7.3	0.9	10.1	-2.7
11th	12.9	-13.3	3.7	-9	-3.2	1.8	2.2	-5.6	0.7	3.4
12th	-6.7	-0.5	-1.9	0.7	1.7	-0.9	0.5	0.1	-1.7	1.3
13th	-6.7	-3.7	-3.5	1.3	3.6	0.6	0.5	2.4	-2.8	0.1
14th	-3.5	-1.5	-1.3	2.8	0.4	2.1	1.1	1.4	-2	-0.4
15th	0.2	7.2	1.1	1.7	-2	-2.9	-1.3	-2.8	1.2	2.3
16th	-6.8	10.1	1	3.9	2.7	-4.5	0.3	-6.3	1.7	3.5
17th	-1.9	5	1	0.8	-0.9	-2.5	-0.7	-2.3	2.3	-0.9
18th	2.3	0.2	1.5	-0.6	-1.6	-0.1	-1.6	0.7	0	-0.2
19th	5.4	-5.1	0	-0.7	-1.4	4.5	-0.2	1.3	-2.1	4.7
20th	4.8	0.5	0.3	-1.1	-2	0.4	0.6	0.2	-2.5	1.4

RUN 48   PT 10

V/OR = 0.061   ALFS,U = 0.00   CLRH/S = 0.080292   CTH/S = 0.080292
VKTS = 24.3   MTIP = 0.604   CXRH/S = -0.000872   CP/S = 0.004659

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	53.9		714.8		283.5		1181.1		-180.3	
RMS	348.4		337.6		425.7		411		157.7	
1/2 P-P	733.9		772.7		928		909.2		307.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	34.3	435.8	83.9	297.8	162.2	270.1	183.8	165.2	15.4	186.2
2nd	60.3	19.5	63.5	-1.2	88.7	-2.4	93.1	-8.5	84.1	25.7
3rd	11.6	-198.2	-49.8	-208.3	-59	-266.3	-91.3	-231.3	12.9	-27.5
4th	-24	15.1	-69.3	100.1	-105.8	140.5	-133.5	163	-50	-49.1
5th	-35.4	43.1	-66.9	235.7	-101.1	364.5	-81.4	381.3	19.1	19.9
6th	23.9	-37.5	-0.3	-8.7	-14.5	14	-47	46.8	11.5	-3.1
7th	12	-5	15.7	29	-1	42.5	-43.9	27.5	-0.5	6.7
8th	12.7	0.5	2.7	-6.4	9	-0.7	19.3	11.6	6.2	5.2
9th	1	-1.2	10.6	-4.3	10.7	-1.7	6.7	9.4	3.1	0.6
10th	-4.7	4.3	15.1	4.2	5.4	2.1	-6.8	2.6	2.6	-1.5
11th	19.3	-14.9	6	-5.8	8.3	-12	-1.5	-3.4	5	3
12th	42.4	-9.2	48.2	-27.2	21	-14.3	-20	8.6	-4	-2.5
13th	-5.5	23.6	6.6	41.2	-5.5	28.2	-3.9	-9.2	-1.1	-1.8
14th	2.5	-0.7	8	3.3	1.3	5.2	-1	5.9	4.5	-12.9
15th	0.3	0.1	-4	2.2	1	12.4	0.8	-0.8	-0.5	4.1
16th	1.4	-1.8	9.1	-12.9	8.9	7.2	5.9	-4.5	-3.4	-5.1
17th	-2.3	0.8	-0.1	-5	3.6	3.1	0.9	-4.5	-2.6	1.4
18th	-5.4	-0.7	1.2	2.2	11	-1.8	2.8	1.8	-2	1
19th	-9.6	2	1.1	0.4	10.8	-20	3.3	1.8	3.6	-1.9
20th	-23.2	-4.9	5	-1.6	37.5	-17.2	19.1	-5.4	-1.1	-0.2

RUN 48   PT 11

| V/OR = 0.071 | ALFS,U = 0.00 | CLRH/S = 0.079774 | CTH/S = 0.079774 |
| VKTS = 28.6 | MTIP = 0.605 | CXRH/S = -0.000892 | CP/S = 0.004289 |

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	192.9		26.2		23.3		-13.4		30.6	
RMS	95.3		80.4		76.4		123.8		51.6	
1/2 P-P	219.5		199.9		169.1		239.9		125.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-12.3	53.5	-26.5	10.4	-35.7	-9.2	-63.1	-30	-17.4	-11.3
2nd	13.7	0.2	-3.2	-7.3	-10.6	-10.1	-91.5	-18.3	-40.3	-1.9
3rd	-51.8	27.2	-53	47.7	-59	58.3	-64.6	101.8	-28.4	18.3
4th	-48.9	-27.9	-46	-8.5	-41.6	-0.7	31	13.5	24.7	1.1
5th	27.5	-25.3	16.9	-16.4	13.4	-4.3	-15.9	0.6	20.6	-9.6
6th	-32.8	0.4	-28.8	9	-21.3	9.8	21.7	-12.8	-1.5	0.2
7th	-43.7	-39.1	-39	-20.5	-21	-6.4	9.9	-5.3	-24.4	2.3
8th	3.8	36	6.7	25.4	1.2	10	-0.3	8.1	-6.9	8.8
9th	-21.7	2.2	-13.8	8	-1.4	5.9	-8.5	2	4.3	-2.8
10th	-11	-3.7	-6.8	1.1	-0.6	1.6	-4.6	-1.1	10	-1.9
11th	23.3	24.1	16.5	8.2	-2.8	-3.5	10.9	5	-6.2	-2.7
12th	-6.7	2.8	-0.2	2.2	2.8	-1	1.7	0.1	-4.4	1.1
13th	-3.9	-4.1	-2.2	0.4	1.7	0.9	0.6	1.3	-3.2	-0.6
14th	3.3	-4.6	0.6	0.2	-0.6	3.4	-0.1	3	0.9	-2.3
15th	-3.1	10	0.9	2.9	-0.1	-4.7	-0.7	-4.7	2.2	3.8
16th	-1.9	-1	-0.2	0.1	1.5	-0.1	1	-0.2	0.3	-0.4
17th	-1.4	1.7	0.1	-0.2	-0.3	-1.4	0	-0.6	-0.2	-0.3
18th	0	2.9	2.1	0.2	-0.9	-1.5	-1.8	-0.8	0.8	-1.2
19th	5	-2.5	0.6	-0.5	-1.4	2.1	-0.4	0.9	-1.8	2.1
20th	2.7	-0.8	-0.4	-0.9	-0.7	-0.7	0.6	0.8	-0.9	1.3

RUN 48   PT 11

V/OR = 0.071	ALFS,U = 0.00	CLRH/S = 0.079774	CTH/S = 0.079774
VKTS = 28.6	MTIP = 0.605	CXRH/S = -0.000892	CP/S = 0.004289

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	48.7		725.2		299.9		1219.5		-157.4	
RMS	354.6		356.3		449.2		438.8		156	
1/2 P-P	776.1		843.8		942.1		914		299.5	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	57.8	424.7	98.2	290	171.6	262.5	171.3	158.3	20.5	183.2
2nd	70.9	11.7	82.3	-7.9	117.6	-9.5	123.1	-9.1	81.4	19.9
3rd	27.7	-223.8	-32.7	-237.6	-34.6	-304.3	-78.7	-266.9	8.6	-30.5
4th	-29.8	18.1	-82	120.3	-124	171	-154.2	196.7	-43.6	-57.5
5th	-33.3	37.4	-58.7	235.1	-87.9	367.5	-68.1	391.6	15.4	26.1
6th	21.1	-39.1	-2.8	3.9	-22.4	34.4	-58.2	66.1	3.8	-3.6
7th	18.2	-11.9	24.4	34	1.6	54.1	-58.1	38.8	-3.4	5.7
8th	15.5	-1.2	10.6	-21.5	15.2	-9.7	14.5	19.8	7.4	6.8
9th	5.2	-7.4	21.1	-10.5	14.8	-4.4	-0.1	14.6	3.3	-1.9
10th	-15.8	-1.8	1.2	3.2	2.7	2.7	4.7	4.2	2.7	-6
11th	2.4	-57.5	-35.8	-65.5	-0.3	-21.2	26.5	36.6	1.8	5.6
12th	53.2	-15	57.8	-41.6	26.6	-20.5	-22.4	12.9	-6.3	-3.2
13th	-2.9	22.2	9.6	39.7	0.3	26.2	-3.2	-11	-0.6	1.4
14th	2	0.5	3.7	7.9	4.5	1.4	-1.4	3.9	5.8	-12.8
15th	-0.6	0	-5.6	0.5	-3.2	18.3	1.5	-1.5	-5.6	4.2
16th	0.3	-0.3	5.1	-1.3	2.7	-0.9	3.1	0.7	-2.7	2
17th	-2.6	2.2	-0.1	-1.6	1.7	-0.4	0.5	-3.5	1.5	1.3
18th	-3.9	0.9	-1	0.3	6.5	2.4	2.6	-1.1	-5.5	-2.6
19th	-9.6	-0.2	1.3	1.8	15.1	-10.7	3.4	2.7	-1	-2
20th	-26.9	8.2	6.7	-7.2	30.8	-37.6	19.8	-21.8	0.4	-0.2

D-708

RUN 48   PT 12

V/OR = 0.091 ALFS,U = 0.00 CLRH/S = 0.079953 CTH/S = 0.079953
VKTS = 36.5   MTIP = 0.607 CXRH/S = -0.000599 CP/S = 0.003740

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	189.8		20.1		12.9		-34.4		14	
RMS	109.6		84.8		72.3		112.6		48.1	
1/2 P-P	287.8		221.6		166.6		217.1		126.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-8.9	51.7	-21.8	8.7	-27	-10.9	-54.3	-38.2	-17.3	-16.1
2nd	6.3	1.1	-13.3	-5.2	-25.5	-8.4	-74	-5.3	-33.6	-0.2
3rd	-44.9	25.6	-43.5	44	-46.7	56.2	-60.5	95	-11.4	19.5
4th	-49.9	-21.5	-46	-3.5	-42.9	3.5	27.9	7.9	22.9	0.7
5th	13.3	-24	6.6	-14	6.2	-2.1	1.2	-1	10.1	-9.8
6th	-34.3	10.3	-27.2	17.6	-18.3	15.2	12.4	-17	-5.1	-2.2
7th	-59.5	-15.1	-46.6	0	-23.3	3.7	6.2	-8.6	-24.6	8.4
8th	16.2	46.6	17.6	31	6.1	12.7	5.2	6.8	1.7	15.4
9th	-24.6	24.4	-10.8	22.7	0	7.6	-9.8	12.7	7.2	-5
10th	-18	-9	-11.2	-1	-0.6	0.8	-9.2	-0.6	8.4	-6.5
11th	74.9	33.6	44.4	3.9	-8.1	-5.7	27.3	-2.6	-19.7	0.1
12th	-18.5	13.4	-4.4	8.5	5.3	-3.9	1.8	1.8	-1.5	4.8
13th	-4.4	-10.6	-2.7	-2.1	2.2	3.5	1.9	3.9	-4	0.5
14th	13.5	-7.2	3.2	-3.5	-3.8	3.7	-4.3	3.3	2.3	-7.1
15th	11.2	13.8	6.3	2.1	-6.2	-4.1	-7	-4.9	8.2	0
16th	-2.4	-9.4	-2.4	-1.6	2.5	3.1	5	3.4	-0.1	-1.7
17th	4	-3	-0.9	-1.1	-0.8	1.7	0	3.3	-0.8	1.5
18th	0.7	3.6	0.7	-0.4	-1.4	-2.8	-2.3	-0.8	-1.7	-0.2
19th	-5.6	2.9	0.7	-0.2	2.9	-3.1	0	-1.5	1.3	-4.1
20th	3.7	-1	-0.8	-0.4	-0.8	1.7	1.4	0.7	-1.4	0.4

RUN 48 PT 12

V/OR = 0.091
VKTS = 36.5

ALFS,U = 0.00
MTIP = 0.607

CLRH/S = 0.079953
CXRH/S = -0.000599

CTH/S = 0.079953
CP/S = 0.003740

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	38.8		724.7		329.2		1253.2		-132.6	
RMS	352.8		348		415.7		408.1		157.8	
1/2 P-P	771.3		869.5		869.3		860.7		319	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	55.4	435.7	84.7	301.7	134.9	274.1	117.1	168.1	35.1	187.5
2nd	78.5	3.5	96.8	-20.5	154.6	-23.7	157.7	-23.3	70.4	15.8
3rd	11.9	-192.5	-33.8	-199.3	-37.9	-264.6	-75.7	-229.4	2.3	-30.8
4th	-17.2	19.2	-52.1	123.7	-78.2	178.2	-111.8	202.7	-45.9	-57
5th	-8	30.2	14.5	208.6	22	330	41.7	356	23.5	17.5
6th	7.7	-43.2	-2.1	5.3	-15.1	37	-47.2	76.5	-9	-5
7th	16.1	-26.4	37.8	11.9	22.1	42.5	-42	61.1	-4.9	2.8
8th	13.3	-6.2	-1.7	-33.8	6.7	-21.5	21.1	18.6	10.8	12
9th	-1.8	-8.7	16.5	-26.9	13.3	-12	4.8	22.2	3.1	-3.8
10th	-5.4	12	15.9	13.3	4.4	2.8	-5.8	-6.5	1.8	-13.5
11th	-49.8	-71.9	-127	-60.5	-15.6	-19.3	85.3	34.9	7.3	10
12th	31.1	-25.2	34.2	-56.5	6.3	-18.7	-14.8	20.7	-8.7	-0.2
13th	11.9	26.1	37.2	40.4	17.7	19.7	-10.4	-11.4	0.6	-0.2
14th	4.2	-1.1	3.3	6.5	16.7	-7.6	-2.3	1.6	14.8	-6
15th	-0.3	-0.8	-8.5	2	17.7	16.8	0.9	-0.5	-6.8	2
16th	1.7	-0.4	5.5	2.4	-6.3	-7.4	1.9	3.4	8.4	0.3
17th	-0.9	5.2	1	1	2.6	-11	-3.5	-1.1	8.3	1.2
18th	0.1	5.2	-1.6	-0.5	0.6	-0.2	-3.1	-5.6	-1.5	0.7
19th	1.7	4.9	-2.3	-4.5	-13.1	0.8	-0.2	-9	-3.1	-1
20th	-13.8	21.2	0.2	-7.8	1.7	-42.9	-1.1	-24.5	3	-0.1

D-710

RUN 48   PT 13

V/OR = 0.100   ALFS,U = 0.00   CLRH/S = 0.079907   CTH/S = 0.079907
VKTS = 40.0   MTIP = 0.606   CXRH/S = -0.000516   CP/S = 0.003504

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	185.3		15.8		9.5		-41.7		10.2	
RMS	110.6		79.4		63.3		102.9		46.9	
1/2 P-P	302.5		214.7		148.5		208.4		126.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-9	50	-18.8	6.7	-21.7	-13.2	-46	-38.4	-15.1	-15
2nd	4.3	2.5	-14.6	-4.6	-27.8	-6.2	-70.7	-1.2	-32.4	2.1
3rd	-34.1	21.9	-33.2	36.1	-35	47.8	-44.5	88.5	-7.7	18.6
4th	-48.3	-18.7	-43.5	-4.1	-38.2	4.6	22.7	5.1	21	-1.2
5th	-1.7	-29.2	-7.3	-16.5	-4.5	-7	11.2	0.4	9.1	-.9
6th	-24.9	8.7	-19.2	15	-13.2	13.3	12.7	-15.2	-4.3	-2
7th	-58.3	-5.3	-43.2	6.7	-21.3	8.5	1.8	-9	-20.8	10.9
8th	22.8	33.1	20	20.2	7.1	8.7	4.8	3.1	3.7	13.9
9th	-18.4	31	-5.3	26.1	1.6	7.8	-6	12.7	6.5	-4.5
10th	-14.8	-2.2	-8.2	3.1	-1.1	1.2	-9	3.9	6.4	-9.7
11th	96.1	34.3	55.3	0.2	-10.2	-5.8	32.8	-3.2	-25.6	0.2
12th	-12	20.2	-0.4	9.7	3.9	-5.7	3	-0.4	-1.4	6.1
13th	-1.9	-11	-2.3	-3.2	1.7	2.9	1.2	3	-1.2	1.8
14th	18.5	-11.8	2.8	-6	-5.3	5.9	-5.2	6.6	3	-10
15th	9.5	15.5	6	2.3	-6	-4.6	-7.4	-5.7	6.2	-0.1
16th	-5.6	-12.1	-3	-1.9	3.7	4.2	5.5	3.2	-0.3	-1.3
17th	6.1	-2.6	0.4	-0.5	-1.9	1.9	0.1	3.2	0.8	3.3
18th	3.2	4.8	1	-0.3	-3.1	-2.3	-2.6	0.8	-2.9	0.3
19th	-11.4	3.3	0.6	0.2	5.4	-5	-1	-1.9	3	-5.5
20th	5.6	-8	-1.1	-0.2	-0.3	5.2	1.8	-1.9	0.1	4.1

D-711

RUN 48   PT 13

V/OR = 0.100   ALFS,U = 0.00   CLRH/S = 0.079907   CTH/S = 0.079907
VKTS = 40.0   MTIP = 0.606   CXRH/S = -0.000516   CP/S = 0.003504

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	35.8		726.5		339.8		1263.8		-123.6	
RMS	347.5		333.4		381.9		370.7		153.7	
1/2 P-P	756.2		848.4		839.8		773.1		290.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	24.4	446.7	54.7	314	98.3	286.8	90.4	180.7	34.3	186.2
2nd	74.1	9.9	91	-14.3	151.4	-25	154.8	-35.1	64.9	16.7
3rd	-2.6	-155	-40	-153.9	-45.2	-207.6	-70.1	-183.1	5.3	-22.1
4th	-7.6	19.8	-21.3	112.6	-38	151.6	-73.4	169	-45	-48.3
5th	14.8	32.6	69.1	185.2	99.4	295.4	111.5	313.7	27.8	2.9
6th	5.7	-39	-6.6	10.8	-15.8	45.2	-37.1	79	-7.1	-4.6
7th	11.7	-24.3	38.7	6.8	31.2	30.7	-26.8	54.1	-5.6	2.4
8th	13.7	-8.5	-5.7	-26.5	-0.6	-17.3	19.3	12.6	9.8	8.6
9th	-1.1	-8.7	9.6	-31.9	10.2	-13.7	4.6	19.3	3.1	-4.4
10th	-6.5	17	10.4	10.7	4.2	2.1	-5.2	-5.2	1.3	-8.9
11th	-67.7	-56.1	-155.3	-36.7	-18.5	-11.1	106.4	26	6.4	11.9
12th	14.2	-25	8.2	-52.2	-2.9	-11.6	-4.3	16.3	-10.6	2.4
13th	18.7	17.8	42.2	24.5	23.8	8	-14.3	-9	4.3	1.1
14th	3.4	-3.1	0.7	6.4	17.4	-16.1	-4.6	4	23.2	-3.5
15th	0.1	-0.9	-5.5	1.5	19.9	18.9	1.2	-2.3	-6.2	5.2
16th	0.9	-0.4	11.6	-1.4	-3.5	-15.4	5	3.3	8.7	-0.2
17th	0.6	1.6	-2.5	3.1	3.3	-6.8	-5.4	3.8	6.2	-4.3
18th	-1.1	5.3	-2.9	-4.9	5.5	-6.6	-5.4	-7.8	-0.4	2
19th	3.6	-1.5	0.7	-3.1	-12.5	15.1	6.8	-6.3	-5.4	0.4
20th	-11.7	17.7	0.9	-2.8	0.2	-43.2	2.5	-9.4	4.9	1.4

D-712

V/OR = 0.124   ALFS,U = 0.02   CLRH/S = 0.080033   CTH/S = 0.080033
VKTS = 49.6   MTIP = 0.604   CXRH/S = -0.000382   CP/S = 0.003082

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	180.3		11.8		4.5		-54.2		2.4	
RMS	61		41.2		43.3		78.1		32.3	
1/2 P-P	145.1		107.1		100.5		157.8		90.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-6.3	45.7	-12.1	0.6	-13.8	-21.6	-28.6	-44.1	-11.8	-13.3
2nd	0.9	7	-15.7	1.3	-26.1	3.4	-61.1	4.6	-26.3	4.5
3rd	-18.9	8.9	-19.6	18.1	-21.5	25.7	-20.9	63.7	-1.2	12.6
4th	-30.6	-16.2	-27.9	-4.7	-23.4	0.7	16.6	6.8	16.4	-2.2
5th	-14.8	-5.6	-12.7	3.4	-7.2	7.9	10.5	-15	2.4	-8.2
6th	-15.6	5.1	-11.6	7.6	-7.6	6.9	7.3	-11	-5.2	-0.2
7th	-24.8	13.6	-15.1	13.7	-8.5	9.2	-0.5	-4.3	-7.5	8
8th	0.9	-1.1	1	-0.3	1.5	1.5	-3	1	2.5	2.6
9th	-5.6	16.6	0.4	12.5	4	4.1	-0.9	7.6	4.7	-1.9
10th	-8.6	18.8	-2	11.3	-1.7	-0.7	-0.7	6.8	1	-8.1
11th	23.6	11.9	14.5	2.1	-5.2	-3.5	6.8	-0.5	-8.3	-0.5
12th	0.2	19.3	3.3	8.6	1.2	-5	1.8	2.4	-1.2	1.7
13th	-0.7	0.1	-1.4	0.4	1.3	-0.1	2.4	-0.1	0.5	0.9
14th	9.7	-12.4	-1	-5.4	-4.1	5.6	-1	4.9	0.5	-7.8
15th	15.7	-2.3	4.2	-4.7	-5.9	2.9	-7.2	6	2.9	-5.5
16th	-10	2.5	-1.5	4.2	5.3	-0.7	3	-2.7	-1	3.7
17th	1.1	-9.5	-1.1	-1.3	1.6	5	1.8	1.4	2.9	0.6
18th	7.3	-1.8	1	-1.2	-4	1.8	-1.9	-0.5	-0.6	1.8
19th	3.1	11.8	1.3	0.4	-5.1	-4.5	-1.4	-0.2	-6.8	-1
20th	-9.6	-11.1	-0.1	2.5	8.2	2.9	-0.6	-0.5	5.4	6.6

D-713

RUN 48   PT 14

V/OR = 0.124	ALFS,U = 0.02	CLRH/S = 0.080033	CTH/S = 0.080033
VKTS = 49.6	MTIP = 0.604	CXRH/S = -0.000382	CP/S = 0.003082

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	20.8		716.2		353.6		1273.4		-111	
RMS	350.7		277		296.7		251.3		148.5	
1/2 P-P	632.4		599		603		559		280.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-37.3	480	-8.1	348	26.1	331	21	219.8	33.2	189.7
2nd	60.9	-8.6	77.6	-30.9	127.1	-54.1	133.2	-61.8	47.3	17.1
3rd	-16.5	-89.9	-36.7	-84.9	-37.5	-114.8	-49.3	-108.3	9.6	-19.1
4th	-4.4	7.2	4.5	62.8	5.2	88.5	-11.8	98	-35.1	-40
5th	17.6	-7.2	50.1	70.4	68.5	121.3	72.7	140.2	1.7	-9.4
6th	-5.1	-16.8	-0.8	14.9	-0.7	39.9	-8	46.3	-5.7	10.9
7th	-2.6	-12.8	10.5	-2.2	14.7	18.4	-10.1	43.4	-4.5	5.2
8th	8	-0.1	8.7	-1	6.5	-2.4	8.3	1	4.9	0.4
9th	-14.4	5.9	-0.9	-8.6	3.2	-11.3	21	2.1	-0.6	-0.2
10th	-9.1	4.6	-3.5	-10	4.7	2.9	1.7	10.9	-1.9	-0.4
11th	-8.3	-27.7	-38.1	-28.9	-1	-3.1	24.4	16.4	0	3.4
12th	-2.8	-14	-12.8	-33.1	-8.3	-2.8	12	9	-4.4	2.8
13th	1	9.7	8.7	16.1	1.7	10.7	-1.9	-4.6	1.4	1.2
14th	1.5	-2.5	-0.5	10.3	8	-11.8	-9.1	4	22.8	-5.1
15th	-0.5	1.5	-10	9.6	11.3	-4.8	-1.6	-1.4	-3.8	12.3
16th	1.8	-0.7	13.1	-8	-1.9	3.4	13.1	0.1	4.9	-15.2
17th	2.2	2	1.9	2.9	-9.5	-14.4	2.7	6.4	-1.6	-2.3
18th	0.8	1.5	-6.6	2	2.4	-10.1	-10.5	6	-3.6	0.1
19th	-3.8	-8.1	-4.2	-0.3	22.7	16.9	-5.8	-2.5	-0.5	2.6
20th	8.1	3.5	4.4	0.6	-26.4	-0.2	11.3	7.5	6	-10.7

D-714

RUN 48 PT 15

V/OR = 0.150 ALFS,U = 0.00 CLRH/S = 0.079852 CTH/S = 0.079852
VKTS = 59.9 MTIP = 0.606 CXRH/S = -0.000285 CP/S = 0.002768

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	180.9		11.8		0.7		-62.9		-1	
RMS	55.4		31.3		39.8		72.3		31.3	
1/2 P-P	125.9		80		78.4		156.4		98	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	4.2	40.5	-1.1	-6.7	-2.8	-29.8	-11.3	-52.4	-9.8	-15.2
2nd	1.5	9.6	-13.8	7.7	-26.2	11	-59.8	10.4	-23.3	5.1
3rd	-12.3	0.8	-13	8.9	-14.7	17.8	-15.6	50.1	-2.4	10.3
4th	-19.3	-17.5	-17.6	-10.3	-15.7	-4.8	9.3	10.4	13.6	0.5
5th	-8.6	2.7	-5.9	8.7	-1.5	11.4	6.3	-17	-0.3	-6.9
6th	-13	-1.6	-10.6	0.6	-5.6	2.1	3.1	-5.9	-7.6	0.6
7th	-13.4	9.7	-8	7.7	-3.2	5.1	-2.1	0.1	-3.7	3.4
8th	-5.1	-5.6	-4.7	-3.2	-1.2	1.2	-2.7	-1.2	2.7	-1.3
9th	-1.9	7.1	0.9	3.8	0.4	1.5	-3.7	2.2	3.4	-1.9
10th	-1.6	17.4	2.8	9.8	-1.2	-1	2.3	8.5	-1.4	-6.4
11th	-2.2	20.1	3.6	12.8	0.7	-0.1	7.3	9	-5.1	-8.2
12th	10.8	12.6	6.8	4.4	-2.7	-0.6	3.4	1	-4.2	-0.8
13th	12.1	9.2	6.1	0.3	-5.4	-2.5	-5.3	-0.4	3.4	2.6
14th	0	2.8	1	-0.4	-1.7	-1.7	-4.7	0.8	5.9	-1.4
15th	-20.8	-26.6	-11.3	-3.9	9.7	6.6	12	5.7	-8.5	-8.8
16th	20.6	-18.1	1.1	-8.4	-5.2	9.5	-1.5	9.2	0.5	-5.1
17th	1.9	4	1.9	0.4	-0.7	-1.1	0.6	-2.1	-1.7	5.5
18th	-12.5	9.5	-0.5	2.6	2.8	-6.7	1.6	-1.3	1.2	-2.2
19th	-19.3	5.8	0.2	2.2	6.5	-7.7	0	1.8	7.3	-11.3
20th	4.6	6	-0.6	-0.4	-3.6	-2.3	0.1	1	-5.2	-6.4

D-715

RUN 48   PT 15

V/OR = 0.150	ALFS,U = 0.00	CLRH/S = 0.079852	CTH/S = 0.079852	
VKTS = 59.9	MTIP = 0.606	CXRH/S = -0.000285	CP/S = 0.002768	

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	5.3		705		356.9		1287.1		-101.9	
RMS	348.7		278.2		301.6		249.1		144.5	
1/2 P-P	593.6		561.8		660.3		529.4		274.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-41.8	480.1	-32.4	356.5	-18.1	350.4	-28.7	238.4	43.5	186.6
2nd	52.2	-13.8	65.2	-38.6	119.9	-68.8	119.8	-76.3	40.1	14.2
3rd	-25.9	-76.9	-43.4	-64.7	-42.6	-89.3	-55.1	-84.9	10.1	-20.1
4th	1.5	5	12.9	49	20.8	66.6	8.1	73.1	-26.4	-31.7
5th	5.7	-9.2	55.9	57.7	87.4	101.5	96.5	124.3	-6.2	-9
6th	-3.4	-8.9	5.3	21.7	9.4	45.1	-6.2	50.8	1.1	12.4
7th	-6	3.3	7.4	1	12.6	5.6	1.8	11.3	-4.9	6.6
8th	10.5	-1	14.7	2.2	8.7	-0.9	-4.6	-7.6	5	-3.6
9th	-5.9	11.7	2.1	0	8.2	-6.2	6.1	-7.9	0.4	-0.3
10th	-5.4	7.4	-7.6	-10.1	1.1	-1.3	10.5	8.6	-1.3	-0.8
11th	-9.7	-27.7	-22.5	-41	-11.1	-10.4	16.5	29.9	-3.9	-7.4
12th	-12.2	-11.6	-31	-16.2	-6.3	-5	10.7	9	-1	1.1
13th	2.1	-7.5	-11.7	-13.6	13.5	-5.2	-5.1	0.1	-2.6	7.5
14th	-2.4	-1.1	-1.5	-0.2	7.3	4.9	-4.1	-6.8	-3.6	9.3
15th	1.3	-1.5	10.1	2.3	-37.1	-19.8	3	1.3	10.5	-7
16th	-0.5	2.6	-4.2	23.5	9.2	-18.2	-5.5	10	7.1	12.6
17th	2.1	2.9	-7	-2.8	-5	-2	-2.2	0.2	-4.8	-8.5
18th	0.6	-0.6	4.2	-10.1	-3.4	11.8	5.6	-13.7	-3.1	-0.9
19th	9.7	0.9	1.3	-7.6	-24.9	24.2	4.7	-16.1	-3.5	-2.4
20th	6.4	-5.1	-4.3	1.7	3.3	16.9	-14.7	3.5	-0.3	7.1

RUN 48   PT 16

V/OR = 0.200   ALFS,U = 0.00   CLRH/S = 0.079954   CTH/S = 0.079954
VKTS = 79.9   MTIP = 0.606   CXRH/S = -0.000492   CP/S = 0.002369

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	176.1		9.6		-0.4		-81.8		-3.9	
RMS	65.4		45.4		49		82.5		33.3	
1/2 P-P	153.2		101.7		93.6		156.3		99.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	17.1	29.2	18.6	-22.1	23.2	-49.9	19.3	-67.8	-10.1	-19.1
2nd	2.7	14.8	-9.7	16.8	-21	22	-66.8	24.2	-17.3	8.7
3rd	-0.9	-6.8	0.1	-3.2	-1.1	5	-6.4	46.5	-5.4	9
4th	-6	-13.1	-6.2	-10.7	-5.6	-7.7	-0.6	7.6	8.3	2
5th	6.6	9.1	9.4	11	10	13.2	-9.4	-16	-1.1	-6.7
6th	-2.6	4.2	-0.8	4.4	1.3	5.2	2.3	-5.2	-6.6	0.1
7th	15.8	14.3	12.7	7.5	6.6	4.6	-1.6	0.2	2.3	4.2
8th	-2.5	25.1	2.4	18.2	2	7.3	-2.6	3.4	5.8	2.3
9th	3.8	4.1	5.4	0.6	4	-2.8	1.1	0.2	1.9	-3.4
10th	5.9	-8.2	2.9	-7.1	0.8	-2.1	3	-6.3	-5	4.8
11th	31.3	-66.9	4.8	-41	-3.6	7.3	3.4	-26.3	-4.5	23.6
12th	15.8	-6	5.4	-6.5	-2.3	2.7	1.7	-2.3	1	1.8
13th	-3.8	-1	-2.3	0.1	1.1	-0.6	1.1	2.2	-0.1	-3.7
14th	-18.5	1.4	-4.5	3.7	6.4	-2.3	6.9	-1.7	-8.3	0.9
15th	-18.2	5	-4.4	5.2	5.4	-3.4	6.3	-6.8	-6.5	8.5
16th	-5.8	4.2	0.6	1.4	2.9	-1.9	-0.9	-4.2	2.2	4.8
17th	-4.3	6.9	0.1	0.3	1.1	-3.8	-1.4	-1.3	2.2	-1.4
18th	-1.2	3.2	0.4	-0.7	0.1	-1.4	-0.7	1.4	-1.4	-4.1
19th	0	-6.9	-0.5	-1.2	1.4	4.2	0.2	1.6	-1.2	3.3
20th	17.1	-1.1	-1.6	-0.8	-7	5.5	0.9	-0.7	-8.8	9

D-717

RUN 48   PT 16

V/OR = 0.200   ALFS,U = 0.00   CLRH/S = 0.079954   CTH/S = 0.079954
VKTS = 79.9   MTIP = 0.606   CXRH/S = -0.000492   CP/S = 0.002369

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-15.4		694.9		348.6		1294.2		-97.3	
RMS	360.2		304		334.6		287.7		140.8	
1/2 P-P	605.3		621.1		615.4		603.8		261.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-46	496.3	-79.1	384.5	-123.9	402.7	-128.1	289.5	59.6	179.1
2nd	49.4	-14.4	57.1	-39.8	104	-81.6	113.9	-91.2	33.3	16.4
3rd	-35.1	-47.8	-57	-26.2	-62.6	-37.4	-52.8	-47.3	17	-24
4th	13.4	4.4	22.6	31.5	31.9	47.2	28	34.6	-18.1	-16.2
5th	-16.8	-7.4	21.2	71.5	44	122	64.9	145.6	-13.3	-3.7
6th	-9.6	-10.4	-7.8	14.4	-7.1	30	-8.8	36.7	-4.2	9
7th	-10.5	-5.3	-7.7	-4.1	6.8	3.2	31.2	9.1	3.9	4.2
8th	3.6	-5.8	3.9	-19.2	2.5	-8.3	-0.3	11.8	2.8	2.5
9th	-2.1	27.4	2.9	12.9	0.2	0.9	3.2	-22.6	-1.3	-1.3
10th	10.6	18.4	11.1	15.8	5.5	3.6	3.3	-22.7	-4.8	2.9
11th	-43	39.6	-36.4	100.7	-13.6	8.6	28.7	-75.7	3.4	-0.1
12th	-10.4	14.3	-19.1	28.4	-5.5	9.1	5.7	-16.7	3	3
13th	-1.3	-10.6	-6.4	-10.2	-11.4	-5.2	1	3.6	6.9	1
14th	-1	-3.8	11.8	-10.1	-12.4	2.7	6.1	1.7	-15.6	-14.8
15th	1.1	-1.7	3.8	-4.1	-19.1	16.8	5.2	-0.4	0.2	-8.3
16th	0.5	-0.5	-1	-12.6	-7.3	-3.2	4	-6.1	-12.8	-3.2
17th	2.8	-0.5	-0.1	-2.5	-3.3	13.5	-0.1	-6.2	-2.6	8
18th	0.5	-2.3	-0.9	1.3	0.9	7.9	0.4	-2.6	-1.4	7.3
19th	-1.2	-2.6	2.8	6.9	-1.5	-2.8	7.2	9.9	0.3	0.6
20th	1.3	1.7	-6.1	4.9	10.3	-15.3	-20.3	11.5	8.4	4.1

D-718

RUN 48   PT 17

V/OR = 0.251 ALFS,U = 0.00 CLRH/S = 0.079969 CTH/S = 0.079969
VKTS = 100.1 MTIP = 0.604 CXRH/S = -0.000403 CP/S = 0.002246

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	173.6		8.5		-0.6		-87.3		-5	
RMS	51.7		51.7		69.2		96		29.6	
1/2 P-P	124.7		117.2		114.6		176		86.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	34.3	19.6	36.6	-36.8	45.3	-71.7	50.9	-87.9	-13.7	-23.6
2nd	3.3	22.4	-8.3	30.4	-17.1	38.2	-59.4	33.7	-13.9	13.9
3rd	7.5	-3.3	10.6	-3.5	11.5	1.7	4.9	51.2	-4.6	12
4th	1.7	2.8	1.2	1.6	-2.4	0	1.2	13.9	3.7	6.3
5th	10.4	8.9	12.3	9.1	9.8	9.9	-10.1	-11.9	3.4	-0.9
6th	-3.9	11.6	-1.1	10.9	0.7	7.4	1	-7.7	-0.9	-2.1
7th	3.2	16.6	4.1	11.4	2.3	5.5	-1.5	-1.1	-3	2.1
8th	-19	30.7	-7.4	23.6	-2	8	-7.5	2.4	0.4	7.4
9th	-7.3	12.1	-1.7	8.1	1.5	1.7	-5.6	4.5	7.5	0
10th	12.7	8.8	8.6	2.7	0.4	0.2	4.4	3.2	0.4	-2.9
11th	8.9	21.1	9.2	8.5	0.7	-3.3	6.2	4.3	-6	-3.7
12th	2.8	-4.4	0.6	-3.1	-0.5	1	0.4	-2.1	-1.6	2.5
13th	4.1	-12.1	0.1	-5.8	-0.9	3.5	0	0	2.4	-0.5
14th	0	-9.7	-1.9	-3.8	1.4	2.4	1.3	2.3	0.5	-4.2
15th	-10.8	-7	-5.6	-0.1	4.9	1.1	6.1	1.5	-6.8	-1.1
16th	-2.1	-7.2	-2.3	-1	2.2	2.6	3.3	2.2	-3.2	0.1
17th	0.9	-2.1	0	-0.7	0.2	0.3	0.7	-0.5	1.1	-0.3
18th	4.3	1.7	0.3	-0.2	-2.2	0	-0.8	-1.7	0.2	-2.6
19th	7.9	5.4	-0.1	-1	-4.4	-0.9	0.7	-0.5	-5.6	-3.7
20th	-2.7	12.5	0.2	-0.4	-2.1	-8.5	2.1	1.4	-4.3	-7.9

D-719

RUN 48   PT 17

V/OR = 0.251 ALFS,U = 0.00 CLRH/S = 0.079969 CTH/S = 0.079969
VKTS = 100.1 MTIP = 0.604 CXRH/S = -0.000403 CP/S = 0.002246

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-12.9		693.6		344.8		1274		-103	
RMS	378.2		339.5		416.5		352.2		139.2	
1/2 P-P	575.3		534.7		703.6		629.3		229	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-79.7	513.4	-146.4	417.2	-237.5	469.9	-234.8	347.3	82.4	171.9
2nd	59.4	-42.6	69.5	-72.1	103.6	-126.8	108.5	-131	26.8	16
3rd	-69.9	-17.3	-100.7	11.1	-125.4	16.5	-108.2	-14.5	17.2	-19.3
4th	-1.4	7.1	8.9	40	23.9	70.7	23.5	74.5	-11.4	-1.5
5th	-51.1	-24.8	-64.4	57	-72.7	111.4	-55.4	135.6	-7.8	0
6th	-17.8	-15.4	-19.7	-5.9	-18.7	1.9	-20.8	11.6	-7.5	-5.4
7th	-0.4	-14.9	5.3	-10.7	18.2	4.9	16	20.1	0.6	5.5
8th	9.8	-7.1	16.9	-29.9	10.2	-16.2	-15.2	13.7	-7.4	7
9th	1.7	14.5	6.8	-5.1	3	-8.9	-8.8	-9.2	4.2	2.6
10th	6.9	6.9	-6.9	1.3	0.7	2.2	2.5	1	1.3	1.7
11th	-30.5	-5.2	-39.3	-10.1	-9.6	6.3	25.7	11.4	-6.5	2.5
12th	-14.4	24.1	-6.3	34.3	-1.2	15.1	5.4	-16.2	-1.4	5
13th	2.6	5.6	9.8	12.4	7.6	-5.6	-1.7	-7.1	1.7	0.1
14th	1.4	4.3	8.7	3.5	1.4	-10.1	-3	-1.6	7.2	0.8
15th	1.7	-0.9	9.6	-1.7	-13.4	-3.1	-1.9	3.6	3.8	-1.4
16th	0.3	-1.8	-1.4	0.6	-10.7	-6.3	-1.8	4.6	4.7	-6.1
17th	2	-0.4	-2.9	1.2	-4.5	1	-0.4	0.9	-3.6	1
18th	1.4	-4.8	-6.1	1.4	0.8	8.2	-3.8	1.3	-5.3	6.3
19th	-0.9	-2.4	-4.3	1.3	12.2	3.3	-10.1	-0.6	0.6	3.4
20th	13.4	-11.7	-3.5	0.2	1.2	39.2	-13	0.4	-0.9	2

D-720

RUN 48   PT 18

V/OR = 0.251
VKTS = 100.1

ALFS,U = 0.00
MTIP = 0.605

CLRH/S = 0.079790
CXRH/S = -0.000415

CTH/S = 0.079790
CP/S = 0.002235

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	173.8		8.4		-1.1		-87.4		-5	
RMS	52.5		52		69.3		96		29.7	
1/2 P-P	127		116.1		111.9		175.3		86.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	34.6	19.4	36.4	-37.1	44.6	-72.5	51.1	-87.9	-13.8	-23.5
2nd	3.7	22.4	-8.1	30.6	-16.6	38.1	-59.1	34	-13.9	14
3rd	7.7	-3	10.6	-3.2	11.4	1.9	6	51	-4.4	12
4th	2	2.8	1.3	1.5	-2.7	-0.1	1.5	14.2	3.9	6.4
5th	10.3	8.7	12.1	8.9	9.1	10.2	-9.6	-11.7	3.6	-0.7
6th	-3.6	12	-0.6	11.1	0.3	7.8	1.2	-7.9	-0.7	-2.2
7th	4	15.6	4.6	10.5	1.9	5.2	-1.3	-1.2	-2.7	2
8th	-18.4	31.6	-6.9	24.1	-2.2	8.1	-7.4	2.5	0.4	7.6
9th	-6.2	12.5	-1.1	7.9	1.6	1.5	-5.1	4.7	7.3	-0.3
10th	13.4	8.1	8.8	2	0.4	0.4	4.4	3.1	0.2	-2.9
11th	11.6	23.6	11.1	9.1	0.5	-3.4	7.3	4.9	-6.8	-4
12th	2.2	-4.9	0.5	-3.3	-0.6	0.9	0.3	-1.8	-1.4	2.3
13th	3.9	-12.7	-0.2	-6	-0.9	3.9	-0.1	0.3	2.4	-1
14th	0.2	-10.3	-2.1	-3.8	1	3.2	1.2	2.9	0.5	-4.7
15th	-9.6	-6.6	-5.3	-0.3	4.1	1.1	5.5	1.8	-6.3	-1.2
16th	-1.2	-5.3	-1.5	-0.7	1.4	2.1	2.5	1.7	-2.4	0.6
17th	0.8	-0.5	0.2	-0.4	-0.3	-0.1	0.3	-0.9	1.4	0
18th	4.2	2.4	0.4	-0.2	-2.1	-0.5	-0.9	-1.9	0.1	-2.4
19th	8.6	5.8	-0.1	-0.9	-4.8	-0.8	0.4	-0.5	-6	-3
20th	-2	13.7	0.1	-0.4	-2.5	-7.9	2.3	1.3	-4.9	-7.5

D-721

RUN 48   PT 18

V/OR = 0.251   ALFS,U = 0.00   CLRH/S = 0.079790   CTH/S = 0.079790
VKTS = 100.1   MTIP = 0.605   CXRH/S =-0.000415   CP/S = 0.002235

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-12.5		693.7		345.9		1274		-102.2	
RMS	378.5		340		417.1		352.9		139.5	
1/2 P-P	575.7		538.1		695.9		627.1		230.5	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-79.2	513.7	-145.9	417.5	-237.1	470.8	-235.2	347.9	82.1	172.6
2nd	59.4	-42.4	69	-71.8	102.9	-127.1	107.4	-131.2	28.1	16.4
3rd	-70.3	-16.8	-100.7	11.8	-125.8	16.8	-108.9	-13.3	16.9	-19.1
4th	-1.4	7.8	9.9	41.7	25.1	72.4	24.8	76.1	-9.9	-2
5th	-51.5	-24.8	-65.2	56.9	-73.5	110.8	-56.1	135.4	-7.7	-0.5
6th	-18.6	-16	-20.7	-6.3	-18.7	2	-19.9	12	-8.1	-5.9
7th	-0.2	-14.6	4.9	-9.8	17.2	4.6	16	19.1	-0.7	5.5
8th	9.4	-8.2	15.8	-30.6	9.8	-16.7	-14.6	14.8	-6.8	7.4
9th	3	15.2	6.1	-4.8	2.8	-9.2	-9.3	-9.4	3.5	2.2
10th	7	6.1	-7	1.6	0.9	1.7	3	1.1	1.6	1.9
11th	-31.1	-5.5	-42.6	-11	-9.2	6.1	28.7	12.7	-6.1	4.1
12th	-12.8	26.1	-3.5	36.2	0	15.4	4.4	-16.9	-1.1	4.8
13th	3.4	6.2	10.8	12.9	7.7	-6.2	-2.5	-7.2	2.9	0.3
14th	1.4	4.7	8.8	4.1	1.4	-11.2	-3.1	-1.3	7.8	-1.9
15th	1.6	-0.6	8.3	-1.3	-12.6	-3.7	-2.1	3.6	5.1	0.7
16th	-0.4	-1.7	-2.9	-0.3	-8.9	-6.2	-1.9	3.6	3.6	-6.4
17th	2	-0.5	-3.5	-0.3	-3.7	2	-0.8	0.3	-3	0.2
18th	1.4	-4.4	-6.6	1.4	0.6	8	-4.1	1.1	-5.1	5
19th	-1.3	-2.9	-4.2	1.8	13.8	3.7	-10.9	0.4	-0.6	1.7
20th	13.6	-12.1	-4.8	-0.4	1.8	40	-15.4	1.2	0.3	3.5

D-722

RUN 48　　PT 19

| V/OR = 0.200 | ALFS,U = 0.00 | CLRH/S = 0.080118 | CTH/S = 0.080118 |
| VKTS = 79.9 | MTIP = 0.605 | CXRH/S = -0.000318 | CP/S = 0.002431 |

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	177.4		11		0.8		-81.1		-3.4	
RMS	67.1		45.9		49.6		82.8		33.7	
1/2 P-P	162.9		104.3		94.1		156.4		100	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	20.2	29.8	19.6	-21.7	23.9	-50.9	19.2	-67.7	-10.1	-19.2
2nd	3.1	14.7	-9.5	16.5	-21.7	20.7	-67.2	23.4	-17.4	8.6
3rd	-1.9	-6	-0.2	-2.5	-1.9	4.5	-5.7	47.3	-5.2	9.1
4th	-6.4	-12.6	-6.6	-10.3	-5.4	-7.7	-0.8	7.7	8.5	1.9
5th	5.8	9.9	9	11.7	10.9	14.5	-9.2	-16.3	-1	-7
6th	-3.8	3.2	-1.5	3.8	0.3	4.7	2.7	-5.2	-6.8	0
7th	16.6	13.6	13.2	6.9	5.6	3.5	-1.5	-0.1	2.5	4
8th	-0.7	25.8	3.7	18.4	3.1	6.4	-2.7	3.2	6.3	2.5
9th	4.7	4.9	6.3	0.5	4.3	-3.1	1.6	0	1.8	-3.4
10th	7	-8.5	3.3	-7.4	0	-2.2	3.5	-6.8	-5.3	4.8
11th	34.5	-66.1	6.7	-41.2	-3.6	6.8	4.5	-26.3	-5.5	23.6
12th	16	-5.2	5.7	-5.9	-1.9	2.8	1.5	-1.6	1.4	1.4
13th	-4.3	-0.7	-2.8	0.2	0.4	-0.7	0.4	2.3	0.5	-4.1
14th	-18.9	1.2	-4.7	3.7	6	-1.9	6.7	-1.8	-8.1	0.9
15th	-19	6.5	-4.4	5.8	5.6	-3.7	6.1	-7.7	-6.8	9.3
16th	-6.3	4.6	0.6	1.8	3.3	-2.1	-0.7	-4.5	2.1	5.4
17th	-4.9	6.8	-0.3	0.5	1.8	-3.4	-0.9	-1.4	1.9	-1.5
18th	-0.9	2.6	0.2	-0.9	0.3	-0.8	-0.6	1.6	-1.6	-4.2
19th	0.9	-8.4	-0.5	-1.5	1.5	4.6	0.1	1.5	-1.4	3.7
20th	19.7	0.2	-1.6	-1	-8.2	4.8	1.1	-0.9	-10.3	8.5

RUN 48   PT 19

| V/OR = 0.200 | ALFS,U = 0.00 | CLRH/S = 0.080118 | CTH/S = 0.080118 |
| VKTS = 79.9 | MTIP = 0.605 | CXRH/S = -0.000318 | CP/S = 0.002431 |

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-13.1		690.7		345.8		1282		-100.7	
RMS	363		306.6		335.4		287.3		142.4	
1/2 P-P	604.3		616.5		614.6		598.8		260.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-51.9	499.1	-83.8	386.5	-126.6	404.6	-128.9	290.2	62	180.5
2nd	51.4	-14.4	58.7	-39.9	104.4	-80.5	115.3	-91	33.1	16.5
3rd	-37.2	-46.3	-58.7	-25.4	-65.4	-36.8	-54.4	-47	16.2	-23.6
4th	11.7	5	21.6	34.6	30.2	51.3	26.5	39	-18	-17.1
5th	-19.4	-10.2	16.3	66.7	36.4	115.5	57.4	139.5	-16.7	-4.7
6th	-10.8	-11.1	-6.5	15.3	-5.2	32.3	-6.3	38.7	-3.6	8.3
7th	-12	-5.7	-9.2	-3.2	5.8	3.6	31.4	7.8	2.8	6.8
8th	1.8	-7.1	1.4	-19.6	2.3	-8.2	1.6	12.2	2.3	2.3
9th	-2.3	24.8	1.6	11.6	-0.9	1.1	3.6	-21.4	-2	-1.1
10th	8.7	18.3	9.3	16.7	5.5	3.5	6.2	-24.1	-5.1	3.6
11th	-41.1	44.7	-36.5	105.7	-11.7	9.9	30	-78.7	6.3	-1.3
12th	-8.8	19	-16.2	32.2	-3.6	10.5	4.8	-17.4	2.8	2.5
13th	-5.4	-8.5	-12.5	-4.9	-16	-2.2	2	2.4	7.7	0.9
14th	-0.8	-3.7	11.9	-9.6	-12.5	1.9	5.9	1.9	-14.5	-16.1
15th	1.1	-1.2	1.9	-4.6	-21.8	18.1	5.2	-0.3	-0.5	-8.2
16th	0.8	-0.2	0	-12.5	-6.7	-2	4.4	-5.4	-12.9	-6
17th	3.4	0.3	1.2	-3	-4.3	12.7	0.1	-6.4	-4.3	8.6
18th	0.9	-1.3	-0.3	1.6	-0.3	6.4	-0.3	-2.6	-0.9	6.6
19th	-2.5	-1.8	4	7.1	0.2	-6.8	7.9	10.3	1	0.6
20th	-0.2	2.3	-6.2	4.9	14.5	-18.5	-23	9.6	10.6	3.3

D-724

RUN 48   PT 20

V/OR = 0.151 ALFS,U = 0.00 CLRH/S = 0.080085 CTH/S = 0.080085
VKTS = 60.4   MTIP = 0.606   CXRH/S = -0.000268 CP/S = 0.002773

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	180.8		12.2		2.9		-63		-0.8	
RMS	55.5		31.2		40.7		72.2		30.9	
1/2 P-P	129.9		80		78.6		158.4		90.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	6.2	41.6	-0.1	-6.2	-0.5	-31.5	-11.2	-52.3	-9.9	-15.2
2nd	2	9.3	-13.6	7.6	-26.9	11.4	-59.7	10.9	-22.9	5.3
3rd	-13	-0.1	-13.2	8.3	-15.8	18	-15.6	50.1	-2.5	10.1
4th	-19.7	-17.4	-17.9	-10.4	-16.2	-5	9.5	10.4	13.6	0.4
5th	-7.9	3.3	-5.4	9	-0.7	11.2	6	-17	-0.4	-6.7
6th	-12.8	-1.2	-10.6	0.8	-4.4	1.8	3.1	-5.7	-7.7	0.7
7th	-12	9.1	-7	7.1	-2	4.5	-1.9	0.4	-3.5	3.3
8th	-5.1	-3.8	-4.1	-2	-0.6	1.2	-2.6	-1	2.6	-1.1
9th	-0.6	7.7	2	3.5	0.6	1.6	-3.5	2.1	3.4	-1.7
10th	0.4	17.1	3.8	9	-1.5	-0.6	2.6	8.1	-1.7	-5.7
11th	-5.8	23.3	2.4	14.9	1.8	-1.6	6.4	10.5	-4.1	-9.2
12th	8.9	11.4	5.9	4.2	-1.9	-0.7	3.6	1.3	-4.3	-1.3
13th	11	8.7	5.4	0.4	-4.6	-1.6	-4.9	-0.3	3	2.4
14th	-0.2	4.3	1.2	0	-1.4	-2	-5	0.5	6	-1
15th	-21.5	-24.5	-10.9	-3.2	9.4	5.7	11.2	5.2	-7.6	-8.4
16th	19.9	-18.2	0.9	-8.3	-5.4	9.8	-1.8	9.3	0.7	-5.6
17th	3.9	3.3	2.3	0.1	-1.2	-1.3	0.3	-1.7	-1.5	5.2
18th	-11	9	-0.3	2.5	3	-6.4	1.6	-1.5	0.8	-1.5
19th	-21.2	6.5	0.1	2.3	7.8	-8.2	0	1.7	7.9	-11.8
20th	3	0.5	-0.8	0.1	-0.7	-0.1	-0.4	1.2	-3.2	-4.2

D-725

RUN 48   PT 20

V/OR = 0.151　　ALFS,U = 0.00　　CLRH/S = 0.080085　　CTH/S = 0.080085
VKTS = 60.4　　MTIP = 0.606　　CXRH/S = -0.000268　　CP/S = 0.002773

	Chord Bending, ft-lb MREB1A, r/R=0.127	Chord Bending, ft-lb MREB2, r/R=0.200	Chord Bending, ft-lb MREB3, r/R=0.300	Chord Bending, ft-lb MREB4A, r/R=0.454	Pitch Link Load, lb MRPR3
MEAN	6.5	705.3	355.2	1280.6	-104.2
RMS	349.7	278.9	303.2	251.5	144.8
1/2 P-P	588.7	554.1	673.8	544.7	268.3

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-43.6	481.3	-35.8	356.7	-20.8	351	-31.3	238.3	44	186.7
2nd	54.2	-14	66.1	-38.4	120.3	-68.9	119.7	-77	39.2	12.7
3rd	-25.5	-76	-43	-63.5	-41.3	-88.5	-54.6	-85	9.7	-23
4th	2.4	5.3	14.1	48.8	22.8	66.8	7.6	73.7	-27.5	-31.7
5th	6.8	-8.4	58.9	59.1	93.4	103.7	102.9	127	-6.7	-7.2
6th	-3.5	-8.4	6.6	21.4	11.2	44.3	-3.4	50.6	0.9	11.9
7th	-6.3	0.5	6.6	0.5	11.3	7.6	2.4	14.3	-5	7.1
8th	10.1	-0.5	14.1	1.4	7.8	-1.2	-4.8	-7.6	5.3	-2.9
9th	-4.9	12.1	1.8	0.4	7.5	-6.2	5.3	-8.7	-1	0
10th	-5.4	9.4	-8.5	-7.1	1.5	-0.2	10.8	6.8	-0.6	-0.2
11th	-7.9	-28.1	-19	-44.7	-10.2	-10.7	14.6	33	-5.9	-7.9
12th	-12.1	-9.9	-29	-14.1	-7.4	-5.3	10.8	8.9	-2.5	1.9
13th	2.6	-7.3	-10.8	-13.4	12.3	-5.4	-5	0.6	-3.3	6.5
14th	-2	-1.3	-0.9	-1.1	8.3	5.5	-4	-7.1	-2.8	11
15th	1.3	-1.5	9.8	0.9	-35.9	-18.4	3.6	0.6	10.2	-8.5
16th	-0.5	2.8	-3.7	23.3	9	-18.6	-5.4	9.3	7.3	12.9
17th	2.3	3	-7.9	-1.3	-3.6	-3.4	-3.2	1.1	-5.1	-9.3
18th	1.6	-0.5	3	-10	-4.5	10.9	3.8	-12.2	-3.2	-1.5
19th	10.6	0.2	1.8	-8.5	-26.9	26.8	6.6	-17.8	-5.2	-1.3
20th	7.2	-2.6	-2.5	2.6	-4.6	10.5	-12	6.2	0.4	5.9

D-726

RUN 48   PT 21

V/OR = 0.125   ALFS,U = 0.00   CLRH/S = 0.079860   CTH/S = 0.079860
VKTS = 50.1   MTIP = 0.605   CXRH/S = -0.000279   CP/S = 0.003076

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	180.2		12.3		5		-54.3		2.7	
RMS	59.6		40.1		42.2		78.2		32.3	
1/2 P-P	138.8		104.6		91.9		159.7		88.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-3.3	44.9	-10.1	-0.1	-11	-23.6	-28.2	-45.1	-11.7	-13.9
2nd	1.6	6.8	-14.9	1.5	-24.3	3.7	-60.4	5.4	-26.3	4.6
3rd	-19.4	8	-19.5	17.3	-21.5	25.2	-20.3	64.3	-1.1	12.9
4th	-30.5	-16.8	-27.8	-5.3	-23.2	0.2	16.6	7.3	16.7	-1.7
5th	-14.5	-3.1	-11.8	5.2	-5.1	9.7	9.7	-16.4	2.1	-8.4
6th	-16.4	5.4	-12.2	7.9	-6.5	6.9	7.4	-11.5	-5.7	-0.4
7th	-23.6	13.8	-14	13.3	-7.2	8.1	-0.6	-3.8	-7.3	7.7
8th	-1	0.4	0.1	1	1.6	0.9	-3.2	1.3	2.2	2.8
9th	-5.3	14.8	0.6	11.5	4.4	4.3	-1	7.3	5.1	-1.8
10th	-6.9	17.2	-1.3	9.8	-1	-0.4	-0.2	6	0.7	-7.5
11th	21.7	16.7	14.6	4.8	-3.5	-3.3	6.5	1.1	-8.3	-1.7
12th	-2	17.8	2.2	8.9	0.8	-3.9	0.9	3	-0.7	1.4
13th	-1.2	-0.3	-1.7	0.7	0.8	0.3	2.3	-0.1	0.8	0.8
14th	9.4	-10.7	-1	-4.8	-3.6	4.9	-0.9	4	0.8	-7.2
15th	13.3	-0.5	4.1	-3.9	-4.3	1.5	-6.5	4.8	2	-4.7
16th	-10.4	2.8	-1.1	4.2	6.1	-2.2	2.9	-2.2	-1.3	3.5
17th	0.7	-8.6	-1	-1.4	2.3	4.4	1.6	1.9	3.2	0
18th	7.6	-1.8	0.9	-1.3	-3.4	3.8	-1.8	-0.6	0.1	1.2
19th	3.9	11.1	1.2	0.1	-5.6	-3.4	-1.3	-0.5	-6.6	-0.8
20th	-11.7	-10.8	-0.2	2.4	8.3	1.9	-0.8	-0.1	5.9	6.8

D-727

RUN 48 PT 21

V/OR = 0.125 ALFS,U = 0.00 CLRH/S = 0.079860 CTH/S = 0.079860
VKTS = 50.1 MTIP = 0.605 CXRH/S = -0.000279 CP/S = 0.003076

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	20.8		713.6		350.8		1261.1		-114	
RMS	351.6		276.3		292.8		246.6		149.3	
1/2 P-P	632.5		607		600.2		556.4		278.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-40.7	481.3	-13.6	349.1	21.5	331.6	17.5	220.3	34.3	190.7
2nd	60.5	-6.8	75.6	-29.2	124.9	-53.3	130.8	-61.9	42.9	14.5
3rd	-16.7	-87.5	-36.1	-81.1	-35.8	-111	-47.8	-104.9	7.6	-21.4
4th	-2	7.7	8.3	63.2	10	88.6	-7.7	99	-36	-41.2
5th	19.9	-10.7	58.7	55.1	82.4	97.2	90.1	116.5	1.2	-5.4
6th	-4.6	-17.6	0.2	13.1	-2.2	37.6	-8.6	44.6	-5.4	13.1
7th	-5.2	-11.7	9	-1.6	14.3	18.1	-7.5	41.5	-5.2	7.3
8th	7.7	-1.6	8.8	-2.4	7.2	-1	6.8	4.6	6	-1.1
9th	-12.7	8.2	1.5	-6.1	2.2	-11.7	20	-1.5	-1.6	-2.3
10th	-11.4	5.6	-5.4	-7.1	4	1.8	4.3	7.9	-0.3	-1.2
11th	-12.9	-29.6	-43.3	-33.3	-2.6	-3.4	25.7	19.9	0.6	3.4
12th	-3.5	-10.4	-11.6	-29.3	-8.1	0	10.4	7.7	-2.6	1.1
13th	2.8	8.3	11.2	12.1	2.8	7.9	-0.9	-3.9	0.6	-0.1
14th	0.6	-2.2	-1.2	9.9	7.3	-10.3	-8.5	3.1	20.2	-4.1
15th	-1.4	0.6	-11.4	7.9	8.9	-2.9	-2.8	-2.5	-5.2	7
16th	1.3	-0.8	11.6	-8.6	-3.6	4.1	11.8	-1.5	1.1	-16
17th	2.6	2.4	2	2.9	-10.4	-12.5	3.8	5.7	-4.7	0.8
18th	1.6	1.4	-6.2	3	1.9	-9.2	-8.9	6.9	-5.1	0.5
19th	-3.6	-8.2	-4.1	0.6	22.1	14.3	-6.1	-1.4	-1.1	5.3
20th	11.6	2.1	2.5	1.6	-33.2	6.9	8.7	10.1	5	-7.6

D-728

RUN 48   PT 22

V/OR = 0.102   ALFS,U = 0.00   CLRH/S = 0.079959   CTH/S = 0.079959
VKTS = 40.7   MTIP = 0.605   CXRH/S =-0.000285   CP/S = 0.003519

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	185.5		16.9		10.9		-42.6		9.9	
RMS	102.9		73.9		60.1		100.5		44.5	
1/2 P-P	271.3		195.4		139.8		202.5		118.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-3.2	48.2	-15.6	5.9	-18.8	-16.2	-45.2	-39.7	-14.9	-15.4
2nd	5	3	-14.2	-4.3	-25.2	-6.7	-69.1	-1.8	-31.8	1.6
3rd	-33.9	20.8	-32.7	35.6	-35.2	46.5	-42.8	87.5	-6.8	18.1
4th	-45.8	-19.1	-40.2	-5.2	-35.4	4	21.2	6.1	21	-0.6
5th	1.4	-23.6	-3.4	-13.2	-0.3	-2.9	7.4	-3.5	6.7	-9
6th	-23.2	9.2	-18.8	14.3	-11.6	12.5	12.5	-14.5	-5.1	-1.8
7th	-51.5	-3.1	-37.9	7.7	-18.6	7.8	1.6	-7.1	-18.2	10.4
8th	13.6	32.6	14.1	21.6	6.1	10.4	3.9	4.2	2.4	13.1
9th	-18.9	30	-4.9	24.6	3.3	7.7	-4.4	11.3	6.1	-4
10th	-13.4	0.3	-7	3.6	0.7	0.4	-7.7	3.2	5.3	-8.7
11th	89.7	30.8	51.5	0.1	-8.5	-5.4	29.8	-3	-23.9	0.6
12th	-13.4	18.6	-1.8	10	2.6	-5.7	2	0.7	-0.5	4.7
13th	-3.8	-11.6	-2.6	-2.9	1.9	3	1.8	2.4	-1.3	1.1
14th	15.5	-9	2.2	-4.7	-4.7	4.3	-4.6	5.3	2.4	-8.2
15th	8.4	14.8	5.9	2.8	-5.2	-4.6	-6.4	-5.3	5.1	0.3
16th	-7.2	-12.6	-3.5	-2	4.2	3.6	6.4	3	-1.1	-1.8
17th	6.7	-2.2	0.8	-0.5	-1.7	2.5	-0.4	2.6	1.1	2.4
18th	3.7	4.5	1.4	-0.3	-3.1	-1.1	-2.4	0.8	-2.4	0.1
19th	-10.8	3	0.4	-0.1	4.4	-4.5	-1	-0.9	2.3	-5.1
20th	7.1	-8.8	-1.2	0.1	-1.7	5.6	1.6	-1.9	-1.3	5

D-729

RUN 48   PT 22

V/OR = 0.102   ALFS,U = 0.00   CLRH/S = 0.079959   CTH/S = 0.079959
VKTS = 40.7   MTIP = 0.605   CXRH/S = -0.000285 CP/S = 0.003519

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	39.3		723.4		329.3		1248.4		-127.5	
RMS	348.5		329.5		375.8		363.3		155.8	
1/2 P-P	767.5		857.9		821.3		762.4		295.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	19.1	448.8	46.2	316.3	90.6	291	83	185	40.9	188.1
2nd	75.3	9.1	91.1	-15.1	148.8	-25.5	150.5	-34.2	61.9	14.2
3rd	0.1	-158.4	-37.1	-159.5	-41.1	-211.2	-65.5	-184.8	2.1	-28
4th	-9.4	20.7	-23.3	113.7	-37.4	152.4	-69.8	168.8	-47.8	-50.6
5th	7.8	27.7	57.1	179.9	82.9	282.1	99.2	304.2	24.5	7.2
6th	5.2	-36.3	-7.1	10.8	-21.6	44.7	-41.8	78.4	-8.3	1.5
7th	8	-26.6	33.3	4.9	30.1	30.3	-18.4	59.2	-4.3	2.1
8th	16.3	-7.7	0.2	-26.6	2.4	-18.9	17.5	17.1	9.6	7
9th	-0.4	-3.7	11.3	-26.2	7.1	-14.2	7.4	12.3	1.1	-3.4
10th	1.1	16.2	15.1	8.2	6	3.1	-8.7	-7.1	1.9	-8.9
11th	-65.8	-49.8	-146.1	-31.3	-17.8	-10.3	100.8	23	8.8	12.6
12th	9.6	-20.9	5.5	-46.4	-5.7	-9.8	-2.8	16.3	-9.2	0.4
13th	21.3	16.3	44.9	20.5	24.4	4.8	-13.9	-9	1	-1.8
14th	2.4	-3.2	-0.9	4.7	14.6	-11.2	-4.1	2.5	24.3	0
15th	-0.8	-1.3	-5.1	0.3	18.1	18	2.8	-1.1	-9.9	2.4
16th	0.8	-0.1	14.1	-1.4	-3.7	-15.9	5.8	1.2	7.9	-1.8
17th	0.5	1.6	-2.6	2.4	4.3	-6.8	-5.1	3.4	3.6	-4.3
18th	0.1	4.9	-3	-4	4.1	-6.6	-5.5	-6.1	-3.3	1.3
19th	1.8	-0.2	1.5	-4.4	-10.6	10.7	7.4	-8.8	-4.5	-0.6
20th	-8.4	21.5	-1.3	-4.6	-7.8	-47	-4.8	-11.1	7.6	1.2

D-730

V/OR = 0.102   ALFS,U = 0.00   CLRH/S = 0.079748   CTH/S = 0.079748
VKTS = 40.7   MTIP = 0.605   CXRH/S = -0.000449   CP/S = 0.003485

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	184.6		16.2		9.8		-42.6		9.8	
RMS	102.8		73.8		60.3		99.9		44.6	
1/2 P-P	278.6		200		143.8		202.2		116.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-7.1	49.1	-17.5	6.2	-20.8	-16.6	-44.8	-39.2	-14.7	-15.3
2nd	4.1	3.1	-14.8	-4.1	-26.2	-6.2	-69.3	-1.2	-31.8	2
3rd	-33.4	20.9	-32.1	35.3	-34.3	46.1	-42.3	86.7	-6.6	18.2
4th	-45.2	-18.9	-40.1	-5.2	-35.2	3.8	21.2	6.3	20.9	-0.7
5th	0.4	-24.5	-4.3	-13.6	-1.8	-3.7	8.3	-2.8	6.8	-9.1
6th	-23.1	8.8	-18.6	14.2	-11.8	12.2	12.6	-14.1	-5.2	-1.8
7th	-51.4	-1.3	-37.7	8.8	-18.6	8.5	1.3	-7	-18	10.7
8th	15.1	31.5	15.2	20.6	6.2	9.7	3.8	3.8	3.2	12.8
9th	-17.7	30.2	-4.1	24.5	3.3	7.5	-4.4	11.3	6.2	4
10th	-13.3	0.9	-6.8	3.9	0.4	0.5	-7.7	3.6	5.3	-9
11th	89.9	27.6	51.1	-1.8	-9	-5.1	29.4	-4	-23.7	1.3
12th	-12.9	19.6	-1.5	10.3	2	-5.5	1.9	0.6	-0.3	4.6
13th	-3.7	-10.9	-2.7	-2.7	1.5	3.1	1.6	2.5	-0.9	1
14th	16	-9.6	2.2	-4.8	-4.5	4.5	-4.6	5.6	2.4	-8.6
15th	9	16.7	5.9	3.2	-5.4	-5	-7.1	-5.9	5.4	1
16th	-7.4	-12.8	-3.9	-1.6	4.1	3.7	6.6	3	-1.3	-1.5
17th	7.4	-2.8	0.7	-0.8	-2.1	3.1	-0.4	2.9	1.2	2.1
18th	4	5.2	1.3	-0.2	-3.1	-0.8	-2.4	0.8	-2.8	0.1
19th	-12.2	4	0.5	0.1	5	-5.5	-1	-1.1	2.8	-5.8
20th	7	-9.4	-1.4	0.1	-1	6.1	1.6	-2.1	-1.1	5.3

RUN 48   PT 23

V/OR = 0.102   ALFS,U = 0.00   CLRH/S = 0.079748   CTH/S = 0.079748
VKTS = 40.7   MTIP = 0.605   CXRH/S = -0.000449   CP/S = 0.003485

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	35.4		719.7		323.5		1249.1		-125.9	
RMS	347.9		328.4		374.8		361.1		154.4	
1/2 P-P	761.9		849.7		818.6		751.1		302.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	25.7	449.1	53.4	315.9	96.2	290.7	85.9	184.5	38.8	187
2nd	72.7	8	89	-16.1	147.3	-26.4	149.6	-35.5	61.6	13.5
3rd	-0.8	-155.4	-37.3	-156.3	-41	-207.3	-64.9	-181.6	1.8	-25.5
4th	-8.6	20.3	-22.4	111.1	-36	148.9	-68.5	165	-46.4	-49.7
5th	9.8	28.2	61.4	179.5	89.5	281.5	104.2	302.7	25	5.8
6th	3.7	-35.4	-6.5	11.1	-18.5	45	-38.2	78.4	-7.6	0.9
7th	7.8	-25.4	33.6	4	30.3	28.9	-18.5	58.5	-5.3	3.1
8th	15.7	-7.2	-0.3	-25.7	1.8	-18.1	17.7	15.5	9	7.4
9th	-1.4	-3	10.6	-26.2	7.9	-13.9	8.3	12.5	1.1	-4.9
10th	0.3	17.8	15.4	9.6	6.2	3.5	-8.2	-7.6	1.9	-9.5
11th	-67.3	-48.7	-146	-27.9	-17.7	-10.1	100.9	19.4	8.2	11.1
12th	9.7	-18.7	5.9	-44.6	-4.2	-8.5	-2.8	15.7	-7.7	1.4
13th	22.2	16.3	46.1	20.2	25.9	5.3	-14.4	-9.1	1.9	-2.2
14th	2.7	-3.3	-0.8	4.5	15.5	-12.6	-4.1	2.4	24.7	-3.2
15th	-0.6	-1	-5	-1	19.9	19.4	2.2	-2	-9.4	3.7
16th	0.8	0.2	14.1	-1.2	-4.5	-15.3	5.6	2.1	10.2	-0.8
17th	0.8	1.8	-3.3	3.2	4.2	-7.5	-5.5	3.4	6.2	-3.8
18th	0.5	4.9	-4.1	-4.3	3.2	-5.7	-6.8	-6.3	-2.9	1.6
19th	2.6	-0.2	1	-4.1	-12.6	13	7.3	-9.8	-5.1	0.7
20th	-5.9	22.1	-2.5	-3.8	-12.8	-46.7	-8	-8.7	7	2.2

D-732

RUN 48   PT 24

V/OR = 0.091   ALFS,U = 0.00   CLRH/S = 0.079583   CTH/S = 0.079583
VKTS = 36.5   MTIP = 0.605   CXRH/S = -0.000297   CP/S = 0.003743

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	188.4		20.1		13.1		-34.5		14.5	
RMS	105.6		82.8		71.2		111.7		47.8	
1/2 P-P	284.4		217.5		164.6		214.8		125.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-3	47.7	-19.3	6.8	-25.7	-12.7	-54.7	-37.1	-16.8	-16.1
2nd	7.5	1	-12.5	-5	-23.7	-8.3	-73.9	-5.6	-33.8	-0.1
3rd	-44.1	25.7	-43	44	-45	56.8	-57.5	95.3	-11	19.6
4th	-51	-20.1	-46.1	-2.1	-42.5	3.9	28.5	7.5	23.3	0.5
5th	12.5	-20.7	6.5	-10.9	5.4	-0.3	0.9	-2.9	9.9	-10.2
6th	-34.6	10.7	-27.4	18	-18.2	16.4	12.9	-17	-5.2	-1.9
7th	-57.5	-13.4	-45.2	0.6	-22	3.4	6	-7.9	-24	8.8
8th	16.1	44.8	17.8	29.9	6.9	12.7	4.9	7.1	2.1	14.8
9th	-24	23.3	-9.8	22.2	1	7.9	-9.3	12.2	7.3	-5.3
10th	-18.1	-9.2	-11	-1.3	0.3	0.8	-8.6	-1	7.9	-6.3
11th	73.4	28.1	42.9	1.6	-7.2	-4.2	26.4	-4	-19.2	1.5
12th	-16.5	12.6	-3.8	8	3.7	-4.1	1.5	1.4	-0.9	4.8
13th	-4	-10.2	-2.1	-1.7	1.4	3	2.3	3.6	-4	0.4
14th	12	-7	2.7	-3.1	-3.6	3.9	-3.7	3	1.4	-6.5
15th	11.5	10.1	5.8	1.1	-5.8	-2.4	-6.4	-3.7	7.4	-1.1
16th	-3.3	-8.3	-2.2	-1.4	1.8	2.6	4.9	2.6	0.1	-1.6
17th	3.7	-3	-0.7	-1.1	-0.7	2	0.1	3	-0.4	0.9
18th	1.8	2.6	0.5	-0.4	-2	-1.1	-2.1	-0.4	-2	0.1
19th	-3.4	2.8	0.5	-0.4	1.3	-2.6	-0.1	-1.1	0.3	-3.2
20th	4	-0.8	-0.6	-0.3	-1.9	0.3	1.4	0.5	-1.5	0.5

RUN 48   PT 24

V/OR = 0.091   ALFS,U = 0.00   CLRH/S = 0.079583   CTH/S = 0.079583
VKTS = 36.5   MTIP = 0.605   CXRH/S = -0.000297   CP/S = 0.003743

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	43.2		719.8		316.6		1240.8		-135.2	
RMS	353		345		413.6		406.9		158.3	
1/2 P-P	770		859.1		864.1		854.8		304.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	37.7	437.2	68.9	304.4	125.2	275.6	113.1	168.2	42.7	185.7
2nd	82.7	7	98.5	-18	155.4	-22	157.7	-21.8	69.7	13.4
3rd	15.4	-193.5	-28.8	-200.6	-33.2	-266.6	-71.4	-230.8	1.7	-32.1
4th	-17.3	18.7	-47.7	119.8	-71.8	172.9	-104.4	199.3	-49.7	-57.2
5th	-9	28.9	11.6	208.2	18.3	330.1	37.8	360.2	25.9	17.5
6th	9.6	-41	0	5.4	-11.9	36.3	-44.9	76	-10.4	-2.2
7th	13	-29.3	36.8	10.9	24.4	44.9	-35.2	66.1	-6.3	3
8th	12.8	-3.7	-1.8	-31.4	5.9	-20.8	21.2	17.8	13.7	9.5
9th	-1.5	-5.3	16.6	-24.3	13	-12.8	6.2	16.2	2.5	-3.8
10th	-4.2	16.1	17.6	16.1	4.9	3.9	-6.1	-10.4	1.7	-14
11th	-52.6	-66.4	-126.4	-49.8	-16.2	-17.2	85.8	28.3	8.4	8.9
12th	24.3	-28.8	24.3	-56.6	3	-19.3	-11	20.6	-8.4	-1.5
13th	12.4	25.4	36.3	39	17.8	19.2	-9.9	-10.6	-0.4	-2.6
14th	4.3	-2	3.6	5.6	15.2	-7	-2.7	1.7	15	-4.9
15th	-0.1	-0.6	-8.2	3.8	16.8	13	1	-0.1	-6.3	0.2
16th	2	-0.9	7.8	1.2	-3.1	-7.5	3.3	2.4	7	-0.9
17th	-0.5	5	1	0.5	1.7	-10.6	-3.2	-1	8	-0.5
18th	0.1	4.2	-1.3	2	1.4	1.5	-3.7	-2.8	-0.9	-0.8
19th	1.5	4.6	-3.4	-3.6	-10.8	-0.5	-1.9	-7.3	-3.4	0.8
20th	-15.1	23.4	-0.3	-9.8	2.3	-47.4	-0.6	-27.7	3	0.5

D-734

RUN 48   PT 25

V/OR = 0.071   ALFS,U = 0.00   CLRH/S = 0.080000   CTH/S = 0.080000
VKTS = 28.2   MTIP = 0.605   CXRH/S =-0.000772   CP/S = 0.004351

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	194.6		28.3		23.6		-11.8		33	
RMS	94.8		79.7		75.1		124		52.1	
1/2 P-P	223.3		195.6		169.3		240.6		126.5	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-9.9	53.8	-25.2	10.6	-34	-11.4	-63.4	-29.3	-17	-11
2nd	14.2	0.6	-2.9	-7.2	-7.8	-10.4	-94.1	-17.7	-41.5	-1.7
3rd	-49.6	27.5	-50.8	47.8	-55.4	59	-60.2	102.4	-29.2	19
4th	-49.5	-26.1	-45.9	-7	-42.3	1.2	31.4	11.9	24.5	0.1
5th	28.7	-29.6	17.7	-20.1	13.8	-7.5	-17.3	4.5	20.8	-9.6
6th	-32	2.1	-28.3	10.5	-20.8	10.4	21.5	-14.1	-0.2	0.6
7th	-44.8	-38.2	-40	-19.4	-21.2	-6.3	9.7	-5.9	-23.9	3.2
8th	5.3	34	7.7	24.2	1.7	10.1	0.4	8.4	-7.2	8.8
9th	-19.9	3.6	-12	8.9	-1.2	5.4	-7.7	2.2	3.9	-2.8
10th	-11.2	-3.2	-6.8	1.2	-0.3	0.5	-4.5	-0.6	9.5	-2.4
11th	29.5	13.7	17.6	1.6	-3.6	-1.9	11.6	1	-6.7	-0.1
12th	-5.2	2.9	0.1	1.8	0.7	-1	1.3	-0.9	-3.8	1.8
13th	-4.3	-5.9	-2.3	0.2	0.4	2	1.1	2.1	-3.2	-0.9
14th	1.8	-3.6	0.2	0.5	-0.8	2.4	0.2	2.5	0.6	-2.1
15th	-3.2	8.5	0.8	2.9	-0.7	-3.8	-0.5	-3.9	1.5	3
16th	-1.6	-0.8	0	0.1	-0.2	0.5	0.6	-0.2	0.2	0
17th	-1.8	3.9	0.1	0.4	-0.5	-1.5	-0.1	-1.4	0	-0.3
18th	-0.7	2.6	1.6	-0.3	-0.5	-1.2	-1.3	-0.6	1.2	-1.7
19th	4.8	-4.4	0.2	-0.7	-1.5	2.5	-0.2	1.2	-1.2	3.1
20th	3.5	0	-0.2	-1	-1	0	0.4	0.8	-1.6	1.7

D-735

RUN 48   PT 25

V/OR = 0.071	ALFS,U = 0.00	CLRH/S = 0.080000 CTH/S = 0.080000
VKTS = 28.2	MTIP = 0.605	CXRH/S = -0.000772 CP/S = 0.004351

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	51.8		714.7		286.4		1191.7		-164.4	
RMS	354.8		358.4		455.5		443.6		157.8	
1/2 P-P	780		856.8		969.4		937.5		306.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	54.4	427.1	94.4	291.9	169.7	264.3	173.2	158.9	25.8	183.1
2nd	71.7	14.5	81.5	-5.9	117	-7.7	122.6	-8.7	85	18.1
3rd	26.2	-221.3	-35.1	-234.7	-38.5	-302.1	-82.2	-264.4	7.4	-31.5
4th	-29	21.1	-77.6	125	-117.3	176	-147	201.6	-46.4	-58.6
5th	-31.1	45.9	-47	249.6	-71.6	387.4	-50	406.9	22	25.1
6th	21.8	-40	-0.7	1.9	-17.6	32.3	-51.7	66.6	3.9	-3.2
7th	17.2	-15.7	27.5	33.7	8.5	57.3	-51.1	46.4	-2.8	5.3
8th	15.3	-2.9	10	-22.4	14.7	-11	16	19.9	6	5.2
9th	3.2	-4.1	18.5	-9.6	14.3	-5.9	3.5	10.3	2.7	-1.8
10th	-14.5	2.7	3.5	5.5	4.1	3.2	4.9	2.1	2.2	-4.5
11th	-7.7	-47.8	-44.8	-45.1	-2.8	-18.2	32.6	23	4.6	6.9
12th	41.1	-29.5	36.8	-52.7	15.7	-26.9	-14.8	17.3	-6.3	-1.5
13th	0.8	24	16.4	40.8	4.2	25.4	-5.1	-10.4	0.6	-0.7
14th	3.2	-0.3	6.4	3.6	5.9	-1.3	-1.2	3.5	6.4	-11.9
15th	-0.1	-0.1	-2.5	1.9	-0.8	16.4	1.9	-0.5	-5.3	2.2
16th	0.5	-1	5.9	-3.7	4.6	-4	2.3	0.3	-0.8	0.5
17th	-1.6	1.9	-0.5	-4.4	1.6	0.8	-0.2	-4.8	1.4	0.8
18th	-4	1.9	0.1	1.1	6.4	2.1	3.1	-2	-3.1	-0.3
19th	-9.3	2.3	1.1	2.1	9.7	-15.3	2.6	2.2	0.2	-0.1
20th	-25.3	9.7	3.9	-6.3	26.9	-38	16	-20.9	-0.1	1.9

D-736

RUN 48   PT 26

V/OR = 0.061	ALFS,U = 0.00	CLRH/S = 0.079370	CTH/S = 0.079370
VKTS = 24.4	MTIP = 0.606	CXRH/S =-0.000672	CP/S = 0.004597

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	194.1		30.4		28.6		11.8		44.2	
RMS	85.3		68.8		66.8		118.5		54.7	
1/2 P-P	192.7		164.5		147.8		232.3		114.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-11.7	57.2	-25.1	12.5	-32.6	-9.3	-75.6	-20.4	-14.5	-8.2
2nd	14.6	3.2	0.5	-5.1	-3.4	-7.9	-98.6	-18.4	-47.9	0.9
3rd	-42.1	25.4	-41.7	43.8	-46.5	54.2	-42.9	91.8	-32.9	18.7
4th	-46.4	-22.4	-41.6	-4.8	-38.5	1.7	23	11.2	24.9	-5.7
5th	29.2	-32.7	17.2	-23.9	12	-11.7	-11.3	8.5	22.4	-7.8
6th	-25.8	5.2	-22.9	11.4	-17.9	10.4	17.1	-12.8	2.8	3.9
7th	-34.4	-29.2	-30.4	-15	-15.6	-4.4	7.3	-3.6	-21	2.5
8th	15.4	15.7	11.6	9.4	3.8	5.1	4.7	3.9	-7.1	4.3
9th	-9.5	3.5	-5.7	5.7	-0.6	4.1	-5.2	1.2	3.2	-1.6
10th	-17.8	-3.5	-10.8	1.2	-0.4	0.4	-6.8	1.1	9.7	-3.1
11th	14.1	-9.9	4.9	-7.4	-2.4	1.3	2.7	-4.8	-0.6	3
12th	-8	0.3	-2.5	1.2	1.5	-0.1	0.3	0.3	-1.8	1.1
13th	-5.4	-1	-2.6	2	0.3	1	0.2	1.9	-2	0.7
14th	-1.5	0	-0.7	2.4	0.3	1	0.6	1.2	-0.8	-0.2
15th	-0.1	7.3	1.1	1.9	-1.5	-2.4	-1	-3.1	0.8	2.3
16th	-3.2	10.6	1.8	3.2	-0.8	-4.1	-1.2	-5.5	2	2.8
17th	-0.4	5	1	0.5	-0.9	-1.4	-1.1	-1.8	2	-1.1
18th	2.2	-0.5	1.2	-0.7	-1.4	1.3	-1.2	0.4	0.4	0.3
19th	6.1	-7.7	-0.2	-0.5	-1.3	5	0.4	1.4	-1.4	6.1
20th	5.8	1.3	0.1	-1.1	-3.2	0.7	0.6	0.4	-3.3	1.6

D-737

RUN 48　　PT 26

V/OR = 0.061　　ALFS,U = 0.00　　CLRH/S = 0.079370　　CTH/S = 0.079370
VKTS = 24.4　　MTIP = 0.606　　CXRH/S = -0.000672　　CP/S = 0.004597

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	55.4		710.6		270.1		1162.2		-184.2	
RMS	346.3		336		424.9		409.3		156.8	
1/2 P-P	736.8		780.7		919.5		893.1		304.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	13.7	433.6	66.3	296.6	148.4	267.9	174.8	161.6	18.5	184.6
2nd	61.9	22.6	64.3	0.9	88.9	-1.2	92.5	-7.8	84.2	22.8
3rd	14	-195.5	-48.1	-207.1	-58.1	-266.6	-91.1	-231.2	9	-28.3
4th	-26.5	15.4	-70.5	101.6	-106.7	142.8	-133.8	165.3	-46.2	-52
5th	-36.8	42.4	-80.1	233.3	-121.5	361.3	-105.9	376.4	23.4	24
6th	24.5	-36.1	-0.7	-9.1	-15.5	12.8	-46.5	44.5	7.3	-2.5
7th	10	-9.5	18.4	28.1	4.6	45.5	-39.5	35.5	-4.5	7.4
8th	11.1	0.8	1.5	-6	8.7	-0.8	19.1	11.9	5.6	1.2
9th	-2.3	-1.9	9.1	-4.7	10.7	-2	8.9	8.5	2.6	1.2
10th	-8	0.6	12.4	1.1	4.7	1.1	-4.4	4.3	0.2	-1.5
11th	21	-11.5	7.2	-5.1	9.7	-10.3	-2.2	-3.4	3.6	0.7
12th	47.6	-11	54.3	-32	24.3	-16.2	-23	9.7	-4.7	-1.7
13th	-6.1	23.3	4	39.5	-5.2	29.6	-3.4	-8.6	-0.1	0.6
14th	2.5	-1.5	5.2	2.3	1.7	4.5	-0.1	4.6	4.4	-11.4
15th	0.5	0.2	-3.9	1.8	0.9	12.4	1.1	-1.1	-3.9	4.9
16th	1.5	-1.3	7.6	-9.8	12.8	9	4.3	-3.9	-2.8	-2.3
17th	-2.6	0.5	-1.8	-3.7	3.9	2.7	0.2	-4.3	-0.7	1.3
18th	-5.2	-1.8	1.1	3.2	8.9	0.4	3.1	3.2	-2	0.9
19th	-8.8	2.9	1.5	0.5	8.5	-23.6	3.6	3.5	2.4	-0.7
20th	-25.4	-8.2	5.1	-0.3	43.7	-13.8	20.9	-2.6	-1.8	2.1

D-738

RUN 48   PT 27

| | V/OR = 0.051 | ALFS,U = 0.00 | CLRH/S = 0.079627 | CTH/S = 0.079627 |
| | VKTS = 20.4 | MTIP = 0.607 | CXRH/S = -0.000624 | CP/S = 0.004844 |

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	194.3		33.5		34.5		48.7		56.3	
RMS	76		54.1		47.8		107.3		52.9	
1/2 P-P	179.7		139.6		107.1		196.9		106.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-18	61.9	-26.4	15.1	-29.2	-8.1	-96.8	-16.7	-11.1	-5.5
2nd	11.4	7	1.5	-2.2	0.7	-5.8	-84.8	-22.9	-53.8	0.4
3rd	-32.2	13	-30.8	26.6	-32.6	33.2	-34.6	58.3	-31	9.9
4th	-30.7	-21.1	-27.8	-7.9	-25.7	-3.5	17.5	9.9	22.8	-5.5
5th	27.7	-32.7	15.5	-27	10.5	-16.6	-9.9	15.7	20.1	-0.7
6th	-11.7	6.7	-10.2	9	-8.3	7.3	8	-8	2.6	5
7th	-29.1	-24.6	-24.1	-13.3	-11.1	-4.2	4.9	-1.6	-17.7	-0.1
8th	17.7	5.5	13.1	1.1	5.6	2.3	3.7	1.9	-3.4	-0.2
9th	-6.8	1.4	-3.8	2.6	0.2	2.2	-2.5	0.3	2.1	-2.2
10th	-9.8	-3.8	-5.6	-1.3	0.5	-0.5	-3.7	-0.7	6.1	-1.1
11th	-9.6	-24	-10	-10.4	0.5	3.2	-6.3	-5.9	5.1	5.2
12th	-1	-2.1	-0.6	-1.3	-0.1	-0.1	-0.5	-0.8	0.4	1.8
13th	-5.9	3.9	-2.2	3	0.9	-1.1	0.1	0.1	-0.6	1.2
14th	-3.7	1.1	-1.3	2.1	1.1	0	0.9	0	-2.6	0.4
15th	6.6	0	1.5	-1.4	-3.3	1.6	-2.8	1.2	2	-2.2
16th	-0.6	9.7	2.2	1.9	-1.1	-3.3	-2.4	-4.4	2.5	2.4
17th	-2.7	0.3	0.2	0.9	1.3	0	0.8	-1.1	1	0.6
18th	1.8	-4.2	0	-0.9	-0.5	2.6	0.4	1.5	0.1	1
19th	6.1	-1	-0.1	-0.3	-2.8	2.2	0.3	0.7	-2.7	1.9
20th	-3.8	1.7	0.3	0.1	1.6	-1.9	-0.5	0.2	1.2	-1.7

D-739

RUN 48   PT 27

V/OR = 0.051	ALFS,U = 0.00	CLRH/S = 0.079627	CTH/S = 0.079627
VKTS = 20.4	MTIP = 0.607	CXRH/S = -0.000624	CP/S = 0.004844

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	46.8		697		236.4		1122.5		-209.3	
RMS	338		293.1		346.8		321		151.7	
1/2 P-P	683.3		692.9		805.1		738.2		298.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-48.6	445.9	24	307.2	111.6	277.8	157.5	173.4	6.4	185.1
2nd	33.6	20.3	33.7	1.3	51.1	1.4	56.5	-5.6	73.7	29.3
3rd	-2.5	-144.5	-45.5	-155.1	-52.2	-197.6	-70.9	-171.1	7.1	-20.9
4th	-23.5	3.4	-59.2	58.6	-86.4	81.5	-105.1	93.4	-31.2	-51
5th	-25.5	43.3	-64.3	186.1	-97.8	283.4	-86.9	285.3	23.3	20.4
6th	18.9	-23.4	-1.1	-13.7	-10.6	-4.1	-28.6	17.3	6.6	-2
7th	3.3	0.9	13.8	19.3	2.2	23.3	-33	7.2	-8.7	2.1
8th	1.1	2.5	-7.1	1.9	-0.3	2.9	15.7	4.3	2.6	-3
9th	-18.3	-0.7	-5.8	0.3	2.7	0.4	12.6	4.2	0.2	5.6
10th	-11.9	-1	1.1	2.8	-0.5	1.4	-0.3	-0.2	-1.2	1.1
11th	20.1	12	33	22	7.8	-2.4	-22.5	-19.5	6	-4.8
12th	10.1	-11.7	9.5	-15	5.4	-9.2	-4.2	4.5	-3.1	3.2
13th	-8	8.3	-5.7	13.8	-8.5	16.3	0.4	-1.2	0.2	1.5
14th	-0.2	-0.3	-0.9	0.3	-4.5	3.5	1.1	2.3	1.8	-4.5
15th	-0.3	1.8	-1.9	2.8	7.6	-3.1	-2.3	-1	0.9	1.8
16th	0.1	0.4	-6.4	-5	0.5	9.2	0.1	-5.1	-4.7	2.5
17th	-2.4	-0.1	2	-1.2	1.3	1.6	3.6	0.5	0.8	-3.2
18th	-1.5	1.2	0.7	4.7	0.4	-4.1	1	4.6	0	1.6
19th	2.2	-1	-2.7	4.7	3.3	0.6	-6.9	7.2	2.1	-0.1
20th	-3.1	2.1	1.2	-2.2	0.3	0.2	5.1	-7.2	-0.4	-1.6

RUN 48   PT 28

V/OR = 0.041 ALFS,U = 0.00 CLRH/S = 0.079400 CTH/S = 0.079400
VKTS = 16.4   MTIP = 0.606   CXRH/S =-0.000778 CP/S = 0.005056

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	194.8		37.4		39.8		78.4		68.5	
RMS	62		35.6		27.8		94.2		41.3	
1/2 P-P	120.3		76.5		56.7		157.2		77.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-26.6	66.2	-27.5	18	-26.4	-6.3	-108.8	-17.8	-11.6	-3.2
2nd	7.9	9.2	1.1	2	1.4	-0.9	-65.9	-11.1	-49.9	0.5
3rd	-13.5	0.6	-13.5	9.1	-14.1	13.6	-13.6	23.8	-19.2	4
4th	-14.2	-9.7	-13.6	-3.2	-12.5	-1.3	8.5	4.2	12	-2
5th	22.4	-20.5	12.4	-17.9	8.6	-11.2	-6.7	11.2	10.6	0.9
6th	0.5	-0.5	-0.9	0	-0.6	-0.1	1.6	-0.7	3.3	-0.1
7th	-8.8	-9.9	-7.2	-6.6	-2.4	-3.4	1.7	0.2	-5.8	-0.5
8th	12.1	-12.8	6.1	-10.9	2.6	-2.7	2.8	-2.8	-1.6	-1.7
9th	0.9	-4.1	0	-2.4	0.8	0.5	0.2	-1.9	-0.4	-0.4
10th	-6.2	1	-3	2.1	0.6	0.1	-2.1	1.4	2.4	-1.1
11th	-20.4	-9	-13.3	-0.5	1.3	1	-8	0.3	6.8	0.1
12th	1	2.7	0.8	1.5	-0.3	-0.2	0.2	0.8	-0.5	-0.5
13th	-3.1	3.1	-1.9	1.3	0.2	-1	-0.7	-0.5	0.1	1.7
14th	-2.7	0.7	-1	1	1.2	0	0.7	-0.1	-1	0.8
15th	1.1	2.3	0.8	-0.2	-0.7	-0.3	-0.9	-1.1	0.5	-0.2
16th	-0.8	5.1	1	1.2	-0.1	-1.9	-0.9	-2.7	0.7	1.1
17th	-0.2	1.5	0.6	1	-0.3	-1	-0.4	-0.9	1.1	1.2
18th	1.8	-2.4	0	-0.3	-0.7	1.5	0.1	1	0.1	1.5
19th	3.7	-1.3	-0.1	-0.5	-0.9	1.8	0.3	0.4	-1.4	1.1
20th	-0.5	-1.2	0	0.3	1.5	0.2	-0.1	-0.4	0.1	0.3

RUN 48   PT 28

| V/OR = 0.041 | ALFS,U = 0.00 | CLRH/S = 0.079400 | CTH/S = 0.079400 |
| VKTS = 16.4 | MTIP = 0.606 | CXRH/S = -0.000778 | CP/S = 0.005056 |

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	45.4		682.3		207.5		1078.2		-230.9	
RMS	333.4		265.7		290.1		259.1		136.7	
1/2 P-P	661.2		663		708.6		566.2		249.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-76.1	451.9	5	311.6	87.3	279.2	139.9	177.3	0.7	178.1
2nd	23	-0.9	18.3	-15.2	27.1	-16.5	31.3	-19.1	58	20.2
3rd	9.6	-80.7	-12.5	-82.9	-18.1	-100.6	-26.6	-85.7	9.3	-15.5
4th	-10.3	0.3	-28.8	24	-41.2	32.5	-51.6	36.9	-13.4	-24.7
5th	-18.5	46.7	-57.2	161.4	-92.6	240.2	-87.9	242.4	18	15.2
6th	11.6	-0.9	-2.9	-3.4	-11.5	-4.2	-17.4	-4.3	2.9	1.1
7th	-5.5	7.2	3.7	8.7	4.5	3.8	-3.6	-9.3	-5.5	-1.3
8th	1.7	4	-3.9	13.8	-3.2	9.1	4.4	-6.4	3.7	-4
9th	-19.1	-8.3	-12.4	1.3	-1.5	2.4	12.7	4.3	0.2	1.3
10th	0.5	-9.7	3.8	-8.8	-0.2	-2.3	-2.9	7.7	-0.9	0.6
11th	45.5	9.5	60	0.1	16.6	-2.1	-39.1	-3.7	3.4	-1.6
12th	5.4	1.2	5.9	-2.9	5.4	0	-1.2	1.9	-2	0.1
13th	-17.3	4.8	-25.9	14.1	-21.5	14.7	5.2	-3	-1.3	4.6
14th	0.2	1	0.9	0.1	-2.7	2.3	-0.3	1.1	1.1	-1.7
15th	0.5	0.2	-0.3	-4.4	2.9	-2.4	0.2	-1.5	-1.1	2.7
16th	-0.5	-0.1	-3.8	-2.7	-0.9	5.2	0	-2.7	-0.9	0.6
17th	-3.5	-1.9	1.2	-0.1	5.6	3.3	2	0.4	0.4	-0.8
18th	-0.6	0	-0.7	2	-0.1	-3.2	-0.2	2.5	0.1	1.3
19th	-0.9	-2.7	1.6	2.7	8.1	-0.7	0.7	5.6	2.1	1.8
20th	0.4	-2.4	0.7	0.5	0.2	1.6	2.3	3.6	0.1	-1.1

D-742

RUN 48   PT 29

V/OR = 0.031 ALFS,U = 0.00 CLRH/S = 0.080542 CTH/S = 0.080542
VKTS = 12.4   MTIP = 0.604   CXRH/S =-0.000722 CP/S = 0.005482

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	197.7		40.2		42.1		77.4		76.6	
RMS	57.5		28.5		19.9		84.8		35	
1/2 P-P	133.2		73.8		40.9		141.7		72.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-30.2	68.7	-25.7	20.4	-21.3	-3.3	-113.5	-19.8	-20.2	-5.1
2nd	3	6.8	0.7	2.1	1.1	1.3	-20.5	-9.3	-40.4	-1.2
3rd	-3.2	0.6	-5.5	6.3	-7.1	9.9	-12.9	16.3	-8.8	1.2
4th	-1.9	-6	-3.5	-3.9	-3.3	-4.1	3.3	4.7	11.8	-1
5th	9.2	-11.9	1.5	-10.6	-1	-7.7	2.2	7.8	7.3	1.8
6th	-4.4	-0.1	-5.2	0.8	-4.2	0.3	4.1	-0.6	-2	1.9
7th	-12.5	-8.7	-10.4	-3.7	-5.2	-1.2	1.9	-1.5	-6.7	-1
8th	-3.9	5.7	-1.5	5.3	0.2	3.3	-0.8	0.8	-0.5	0.4
9th	-6.4	0.6	-3.2	3.7	0.7	2.9	-2.7	0.8	2.2	1.1
10th	2.9	-0.9	1.7	-0.3	-0.5	0.6	1.2	-0.4	-0.1	0.9
11th	12	12.4	8.5	4	-1	-2	5.4	1.9	-4.3	-1.8
12th	-0.4	-1.6	-0.3	-0.8	0	0.2	0	-0.6	-0.3	0
13th	2.8	-0.8	0.8	-1.5	-0.6	0.4	-0.7	-0.5	0.4	0.3
14th	-1.9	0.6	-0.7	0	0.5	0.3	0.3	-0.5	-0.2	0.8
15th	-7.2	-0.1	-1.8	1.2	2.5	0.2	3	-1.3	-2.5	0.8
16th	-0.2	-0.1	-0.2	-0.1	0.1	0.5	0.2	0	-0.3	-0.3
17th	-1.1	1.8	0.2	0.5	0.5	-0.6	-0.3	-0.9	0.1	0.7
18th	0.4	0.2	0.1	0.3	-0.2	0.3	-0.1	-0.1	0.1	0.6
19th	1.2	0.2	-0.3	-0.5	-0.4	0.7	0.2	0.2	-0.6	-0.1
20th	0.4	1.6	-0.1	-0.3	-0.5	-0.1	0.1	0.2	-1.1	-1

D-743

RUN 48   PT 29

V/OR = 0.031
VKTS = 12.4

ALFS,U = 0.00
MTIP = 0.604

CLRH/S = 0.080542
CXRH/S = -0.000722

CTH/S = 0.080542
CP/S = 0.005482

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	48.9		682.7		210.7		1079.5		-241.4	
RMS	318.3		228.6		228.9		193.6		121.3	
1/2 P-P	548.1		485.9		517		412.8		206.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-124.1	426.6	-33.5	293.1	46.9	260	103.2	166.2	-0.4	166.8
2nd	-3.2	-3.8	-4.8	-9.2	-1.9	-9.1	3.1	-7.7	28.7	11.1
3rd	26.7	-51.9	8	-53.1	3.8	-65.7	-3.9	-55.8	14.6	-6.3
4th	1.5	0.8	-5.5	13.2	-8.6	18.6	-12.8	19.6	0.6	-12.2
5th	-8.5	31.2	-53	100.2	-86.9	146.7	-96.6	149.7	7.2	4.2
6th	8.8	-0.7	4.1	-3.7	3.6	-4.6	-5.3	-3.2	0.3	1.1
7th	-8.2	-9.1	5.2	2.4	9.7	6.7	1	7	-1.1	-4.9
8th	-0.9	-1.2	0.7	-4.9	-0.1	-3.7	-2.7	3.7	2.3	-0.5
9th	-8.9	-22.2	-3.6	-13.7	0.9	-4.9	5.2	14	-0.8	-0.6
10th	4	-3.6	0.4	-2.3	0.5	-1.5	-0.7	1.7	-0.6	1.5
11th	-2.9	-1.1	-16.4	-6.5	0.4	2.3	12.3	5.2	-1.2	2.7
12th	1.4	1.8	2.4	2.1	0.2	0.3	-1.4	-1.9	0	-1.5
13th	-9.5	-5.2	-20.8	-2.8	-12.7	-4.2	5.1	-0.5	0.8	2.2
14th	-0.3	0.3	-0.2	-0.8	-1.7	0.8	0.5	-0.3	1.4	3.5
15th	-0.1	-0.4	6	-6.8	-3.6	-2.6	2	0.2	-2.6	-1.8
16th	0	0	-4.6	1.1	-5.8	1.5	-1.7	0.3	-0.8	2.9
17th	-1	-2.5	0.7	0.5	2	5.9	1.2	0.3	-0.7	-0.1
18th	0.9	-0.4	-1.7	0	-1.9	0.5	-1.7	0.4	1.8	0.2
19th	2.4	0.3	-1	1.4	-0.9	1.3	-2.6	1.8	0.7	0.9
20th	8.8	-1.6	-4.6	1.7	-9.6	9.8	-10.1	5.3	0.1	2.2

D-744

RUN 48   PT 30

V/OR = 0.021	ALFS,U = 0.00	CLRH/S = 0.080180	CTH/S = 0.080180
VKTS = 8.4	MTIP = 0.605	CXRH/S =-0.000433	CP/S = 0.006028

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	194.5		37.3		40.2		48.8		82.4	
RMS	54.7		29.3		18.9		58.4		33.5	
1/2 P-P	131.7		77.8		46.2		104		61.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-34.8	58.9	-24.2	18.7	-15.6	-0.6	-78	-9.6	-43.6	0.4
2nd	1.7	1.5	1.4	0.4	2.6	1.4	-2.4	-3.4	-9.7	-3.2
3rd	3.5	5.9	3.2	8.6	3.4	11.9	7.2	14.2	5.2	-2
4th	2.9	5	5.5	4.2	8	3.5	-0.4	-3.2	-1.3	-3
5th	-4.6	1.2	-3.9	2.1	-1.7	2.1	4.7	-1.9	-3.5	-1
6th	-1.5	5	-0.4	4	0.2	2.3	0	-1.7	-1	0.6
7th	-3.4	2.9	-1	3	0	1.4	-1.1	-0.6	1.3	0.7
8th	-7.7	4.3	-4.5	4.5	-0.8	2	-1.5	0.8	0.1	0.9
9th	-3.6	-0.7	-2.9	0.3	-0.8	0.3	-1.1	0.1	-0.1	-0.3
10th	-2.3	-1.1	-1.6	0.4	-0.3	0.2	-0.9	0.2	0.5	0.2
11th	-3.2	-4.8	-2.7	-2.1	0.4	0	-1.6	-1.3	1.4	0.9
12th	0	0.5	-0.1	0.1	-0.4	-0.5	0	-0.2	-0.2	0.4
13th	-1.2	0.2	-0.5	-0.1	0.2	-0.3	0	-0.5	-0.3	0.3
14th	-2.8	-0.6	-0.5	0	1.1	0.1	1	-0.4	-1.1	0
15th	-0.2	-2.6	-0.6	-0.5	-0.1	1.3	0.7	0.9	-0.4	-1.1
16th	-0.1	-0.3	-0.1	0	0.1	0.3	0.1	-0.1	-0.2	0
17th	-0.2	-1.5	-0.5	-0.3	0.5	0.3	0.4	0.3	-0.5	0.5
18th	-0.3	-1.2	-0.6	0	0.4	0.9	0.5	0.2	-0.2	0.7
19th	-0.6	-0.4	-0.1	-0.1	0.6	0.1	0.1	0	0.6	0.1
20th	-1.2	-0.9	-0.4	0	0.4	-0.5	0.2	-0.2	0.9	-0.2

D-745

RUN 48　　PT 30

| V/OR = 0.021 | ALFS,U = 0.00 | CLRH/S = 0.080180 | CTH/S = 0.080180 |
| VKTS = 8.4 | MTIP = 0.605 | CXRH/S = -0.000433 | CP/S = 0.006028 |

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	71.7		716.7		257.2		1131.8		-238.2	
RMS	266.7		179		157.2		122.6		93.5	
1/2 P-P	484.1		384.5		341.1		316.9		159.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-162.5	334.1	-74.1	227.1	-7.2	197.7	44.8	122.4	-6.8	130
2nd	-6.6	-19.1	-10.5	-15.1	-15.8	-12.9	-14.1	-9.5	6.8	-0.3
3rd	18.9	-27.1	4.6	-23.6	-7.8	-30.8	-11.3	-23	3.8	3
4th	0.7	1.8	22.3	11.8	32.3	17.9	41.4	20.8	-0.7	3.8
5th	-10	1.3	-21.1	33.7	-32	54.8	-37	64.6	-4.4	-0.5
6th	1.1	0.7	0.1	-3.1	-0.5	-4.1	-1.5	-1.3	-0.9	2.3
7th	-12.5	-12	-0.1	-5.8	8.9	0	15.3	8.3	-3.3	-0.3
8th	2.1	0	5.6	-5.4	2.8	-4.4	-5.2	0.7	-0.3	0.8
9th	10.5	-8.6	8	-7.2	2.5	-1.4	-8.3	6.2	-0.1	-1
10th	8.4	-3.1	7.8	-3.3	2.1	-0.8	-6.5	3.4	0.1	-1.4
11th	2.9	10.6	8.1	11.6	1.3	4.5	-5.6	-6.6	-0.8	1.3
12th	-0.2	1.4	0	1.5	0.2	1.8	-0.6	-0.1	1.6	-1
13th	-2.4	-4.7	-6.2	-8.4	-5.8	-5.6	0.5	2.2	-1.5	-0.8
14th	-0.8	0	2	-2.3	-1.5	-2	0.7	0.3	-3.7	-1.9
15th	-0.5	0.2	5.7	1.9	4.7	-1.8	0.3	0.5	2.9	0.9
16th	-0.2	-0.1	-0.4	-1.7	-1.3	-3	0	-0.7	1.5	-0.6
17th	0.3	-0.1	0.5	1.3	-1.6	0.2	0.2	1.1	1.2	1
18th	0.9	0.9	0.5	0.1	-2.5	-1.5	0.3	0.3	0.4	1.8
19th	-0.2	1.1	1.1	0.2	-0.4	-1	1.2	-0.4	-0.4	-2.1
20th	6.3	8.4	-1.1	-1.8	-15.6	-5.5	-8.2	-5.4	0.4	-0.5

D-746

RUN 48   PT 31

V/OR = 0.012   ALFS,U = 0.00   CLRH/S = 0.081200   CTH/S = 0.081200
VKTS = 4.8   MTIP = 0.606   CXRH/S = -0.000432   CP/S = 0.006530

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	207.4		45.9		42.8		42.3		82.7	
RMS	51.3		40.4		33		37.1		23.9	
1/2 P-P	161.6		108.7		90		112.7		69.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	18.7	11	10.3	5.9	5.3	6.2	-4.5	7.8	6.6	7.5
2nd	13.2	-1	11.8	-6.4	12.8	-7.3	17.9	0.6	8.2	-3.3
3rd	-5.9	-12.9	-14.9	-10.9	-18.8	-11.3	-17.3	1.7	-3	4.6
4th	-10.3	13.2	-6.9	15.4	-5.3	15	9.4	2.5	-6.6	-9.3
5th	-4.3	0.7	-6.9	3.3	-7.9	4	10.2	1	-4.5	-8
6th	-5.3	5.8	-5	7.1	-3.8	6.3	5.7	-9.8	-1.9	5.1
7th	-5.3	-9.7	-6.8	-7.1	-4.6	-4	4.4	-2.3	-6.7	3.4
8th	11.6	-3.8	7.1	-5	2	-1.9	3.4	-1.8	-2	3.2
9th	3.6	2.8	2.6	1.5	1.3	0.9	0.7	-0.1	0.1	1.2
10th	2	-0.4	0.8	0	0.1	0.3	-0.5	-0.1	1.6	1
11th	-15.8	10	-6.5	8	1.4	-1.2	-5.2	5.9	5.6	-4.8
12th	-0.1	3.2	0.7	1.2	0.1	-0.4	0.4	0.7	0.6	-1.2
13th	-4.4	5.3	-0.2	2.2	1.5	-2.1	1.5	-1.2	-1.3	0.4
14th	-5.2	3.8	-0.7	2.5	1.5	-1.3	1.6	-1.1	-2.7	0.7
15th	-3.9	-4.4	-2.2	-0.2	1.9	1.4	2.1	1.1	-2.9	-0.6
16th	-0.5	0.8	-0.2	0.4	0.6	-0.5	0	-0.7	-1.6	1.5
17th	1.6	0.2	0.3	-0.6	-0.7	-0.2	-0.7	0.2	-1.4	0.4
18th	0.5	-0.5	0	-0.5	0	0.5	0.3	0.4	-0.5	0.5
19th	3.6	-1.9	0	-0.4	-0.8	1.7	0.4	0.5	-0.1	2.4
20th	8.8	4.2	-0.5	-0.8	-5.3	0	1.4	0.8	-4.5	1.3

RUN 48 PT 31

V/OR = 0.012 ALFS,U = 0.00 CLRH/S = 0.081200 CTH/S = 0.081200
VKTS = 4.8 MTIP = 0.606 CXRH/S = -0.000432 CP/S = 0.006530

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	110.2		747.7		280.1		1165.7		-239.6	
RMS	117.8		137.7		168.7		175.1		42.7	
1/2 P-P	333.6		398.9		432.9		443.7		117.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	83.8	-16.1	51.8	-12.5	42.7	-16.9	36.5	-15.1	34	8.4
2nd	29.9	27.5	15.4	35.2	-5	50.2	-15.8	44	6.5	2.7
3rd	95.2	6.2	101.4	-6.9	125	-5.4	96.4	-10.4	14.6	-11.2
4th	1.8	10.9	9.1	56.3	11.9	86.4	7.3	108.4	-15.5	15.4
5th	-3.7	-37.3	-68.4	-36.7	-106.7	-41.4	-125.7	-29.9	-5.5	1.9
6th	6.2	-8.9	-12.4	6.2	-23.2	14.3	-29.7	27.9	5.2	0.3
7th	13.7	7.3	-0.3	13	-14.8	16	-29.7	5.8	0.9	2.6
8th	-0.5	3.9	-10.7	6	-9.5	2	3.3	-5.9	0.3	3.8
9th	-6.6	0.9	-7.9	-0.3	-3.3	-1.4	5.9	-0.5	-0.1	0.4
10th	7	-4.3	4.1	-3.1	2.9	-1.5	-1.4	2.6	2.4	-1.4
11th	14.8	-8.7	19.8	-23	2	-4.2	-15.7	13.8	-0.2	-0.9
12th	18.5	-9.1	14.7	-20.1	7.5	-9.8	-8.1	7.3	-0.2	0.5
13th	12.1	-6.3	13.2	-20.9	4.3	-7	-4.7	4.6	-3.2	0.2
14th	2.5	-1	4	-1.8	-2.4	7	-0.7	1.5	-3.5	-2.8
15th	1.8	-2.7	1.8	-0.9	-7	-2.9	-0.6	3.4	3.2	-2.6
16th	0.1	-2.6	0.3	0.8	-0.4	4.5	0.4	1.6	0.9	1
17th	-0.3	-0.9	-0.7	1	2.5	0.6	0.2	0.7	-1.1	1.6
18th	-0.9	-0.2	0.5	-0.1	2	-0.5	1.8	-0.8	-0.7	1.4
19th	-4.7	0.6	1.3	0.6	7.4	-9.9	2.1	-0.7	1.8	-1
20th	-4.7	-4.1	-3.7	2.6	18.8	-0.1	-5.3	1.7	2.4	1.4

D-748

RUN 39   PT 6

V/OR = 0.250	ALFS,U = 5.00	CLRH/S = 0.079612	CTH/S = 0.079999	
VKTS = 99.3	MTIP = 0.605	CXRH/S = -0.007910	CP/S = 0.000335	

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	160.6		-9.9		-8.8		-109.5		-8.3	
RMS	57.6		64.3		80.4		89.2		25.8	
1/2 P-P	177.7		137.1		140.1		161.4		60.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	21.4	0	34.7	-51.8	47.7	-84.8	46.4	-87.7	-8.6	-21.2
2nd	-7.4	27.2	-13.5	37.2	-21.9	46.5	-47.9	49.7	-10.8	16.6
3rd	16	-29.9	10.1	-28.5	6.9	-21.1	11	26.7	0.3	6.3
4th	12.3	-3.9	8.6	-7.6	0.5	-7	3.7	1.6	3.3	1.2
5th	9	-3.7	5.6	-4.3	2	0.4	-1.4	-7	4.3	-2.1
6th	5.1	-4.8	3	-4.6	-1.2	-1.6	-0.2	-4.8	0.8	-0.9
7th	6.5	4.1	5.5	1.4	-0.7	-0.1	-1.5	-2.8	0	0.4
8th	-8	40.9	0.1	30	-1.6	10.2	-4.2	4.2	1.1	7.8
9th	-8.3	16.8	-1.3	11.7	2	3.1	-4.8	5.4	4.3	-1.1
10th	-2.6	15.9	1.7	8.7	0.9	0.2	-1	6.3	.3	-4.2
11th	-27.9	16.2	-11.6	13.1	3.4	-2.4	-7.4	8.5	7.1	-5.3
12th	-1.2	-13.9	-2.6	-7	1.1	1.8	-1.8	-1.9	1.9	2.4
13th	3.3	-13.3	-1	-6.2	0.6	3.1	-1.1	0.5	2.3	-1
14th	3.7	-10.6	-1.8	-4	-0.8	3.4	-1.4	2.9	1.8	-3.5
15th	5.4	-6	-0.6	-2.3	-1.8	2.9	-1.4	2.9	2.2	-2.2
16th	6.2	1.7	1.5	-0.5	-2.6	-0.4	-3	-0.1	3.2	0.4
17th	3.6	4.9	0.6	0.6	-1.8	-1.3	-1.7	-1.1	1.6	-0.5
18th	3	5.7	1	0.4	-2.6	-2.3	-1.7	-0.9	0.2	-2.4
19th	4.5	7.3	0.5	-0.2	-4.1	-3.5	-0.7	0.4	-2.7	-3.9
20th	-4.1	6.2	0.5	0.1	-0.7	-4.8	0	1.3	2.6	-5.1

D-749

RUN 39   PT 6

V/OR = 0.250 ALFS,U = 5.00 CLRH/S = 0.079612 CTH/S = 0.079999
VKTS = 99.3   MTIP = 0.605   CXRH/S =-0.007910 CP/S = 0.000335

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-96.4		653.6		380.4		1359		-53.9	
RMS	385		372.5		455.2		374.5		130.5	
1/2 P-P	568.9		638.2		764.4		653.3		236.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-263.5	464	-299.8	389.5	-382	449.6	-339.4	325.8	66.5	152.7
2nd	66.3	-46.2	94.2	-78.6	135.6	-143.3	127.8	-139.3	4.9	11.2
3rd	-47.1	-7.5	-68.7	35.3	-72.7	49.8	-63.1	11.7	30.7	-60.5
4th	20.2	12.2	21.4	15.9	38.5	19.3	40.6	2.6	-7.3	13
5th	-8.6	27.2	-11.4	80.5	-11.1	117.2	-7.8	111	7.3	1.9
6th	-6.1	1.4	-12.7	26.1	-9.2	40.2	-13.7	30.7	0.9	10.4
7th	-8.9	1.8	-3.9	-2.1	10.7	-7.3	12	-11	-7	-0.5
8th	2.4	-7	2.6	-32.5	7.5	-18.1	-2.7	25.1	1.9	16.6
9th	-19.7	-11.1	-9	-18.2	1.1	-7	6.3	13.7	-2.2	-0.1
10th	-3.2	-14	-4.5	-21.2	-0.3	-1	2.2	22.5	1.7	7.2
11th	31.5	-12.9	43.7	-39.2	9.7	-6	-26.9	25.4	-1.1	-0.1
12th	4.2	0.1	9.1	6.6	0.7	-6.6	-4.2	-6.7	6.1	5.7
13th	-6.9	2	-11	14.3	-11.2	-3.9	2.7	-5.2	5.4	-8.6
14th	2	-1.3	-2.3	6.6	-4.7	-7	-1.9	-0.2	10.7	3.9
15th	0.5	-0.2	-3.3	3.8	-0.8	-4.8	-0.9	2.3	14.5	-7.8
16th	-0.1	0	-5.4	3	3.9	5.3	-0.4	-0.9	-10.6	-2.2
17th	-1	-0.7	-0.7	-3.5	8.8	4.5	-1.3	-4.3	1	2.9
18th	-1.2	-4.7	-2.7	2.2	9	15.1	-2.3	-1.1	-6.1	0.5
19th	-4	-0.1	-2	-4.3	14.6	2.4	-4.7	-9.5	-1.3	5.8
20th	-2.5	-3.1	0	-4.8	5.2	11.1	4.8	-12.2	-3.6	-1.1

D-750

RUN 39   PT 7

V/OR = 0.223   ALFS,U = 5.00   CLRH/S = 0.079880   CTH/S = 0.080227
VKTS = 89.0   MTIP = 0.607   CXRH/S = -0.007466   CP/S = 0.000648

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	165.8		-4.9		-5.6		-107.2		-7.9	
RMS	51.5		54.6		65.6		81.2		25.1	
1/2 P-P	128.9		105.8		118.5		143		67	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	20	1.8	28	-43.4	36	-67.9	34.6	-73.6	-8.4	-17.9
2nd	-7.5	18.4	-16.3	26.8	-27.5	35.9	-57.6	43.7	-13.6	14.3
3rd	10.9	-28.3	4.5	-25.4	3	-19.2	0.1	29.6	-2.8	5.9
4th	2.6	-7.2	0.1	-9.3	-4.3	-7.7	7.7	3.9	5.2	1.2
5th	9.6	-8.1	6.5	-7.9	0.7	-1.4	-0.8	-3.7	2.7	-2
6th	8.6	-5.6	6.4	-6.7	3.4	-3.3	-0.3	-3	-3.5	-1.2
7th	11.1	-1.1	8.4	-3	3.9	-1.2	-0.6	-1.6	-1.9	0.2
8th	-6.1	33.9	0.3	24.1	-1.5	8.2	-1.5	3.4	0.2	7.6
9th	-3	4.5	-0.5	3.2	1.7	0.2	-1	-0.5	2.2	1.1
10th	-1.5	-9	-1.1	-5.7	2	0	-0.4	-5.3	0.5	3.5
11th	15.5	-37.7	0.8	-22.3	-2.8	2.3	1	-15.2	-2.7	13.3
12th	15.5	-9.8	5.5	-7.8	-2.2	0.6	2.7	-5.1	-2.8	4.7
13th	5.6	-7	0.8	-3.7	0.7	2.1	1.1	-2	-0.4	1.3
14th	-2	-1.6	-1.5	-0.3	1.6	-0.4	1.2	-2	-1.1	1.4
15th	-4.7	1.6	-1.6	2.2	1.7	-1.5	2.1	-2.8	-1.1	2.8
16th	-1.7	-1.8	-1.1	-0.1	1.7	0.6	1.1	-0.6	-0.4	-0.3
17th	1.9	2.1	0.5	-0.5	-0.9	-0.3	-1.9	-0.4	0.6	-1.4
18th	2	2.6	1	-0.2	-2	-0.8	-2.5	0	1.5	-0.9
19th	1.1	0.8	0.1	-0.3	-0.5	0.1	-1.6	1.2	2.7	0.1
20th	4.3	-7.5	-0.4	0.4	0.2	5.4	-1.1	0	3.3	5.5

RUN 39   PT 7

V/OR = 0.223	ALFS,U = 5.00	CLRH/S = 0.079880	CTH/S = 0.080227	
VKTS = 89.0	MTIP = 0.607	CXRH/S = -0.007466	CP/S = 0.000648	

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-77.7		665.8		384.3		1363.3		-54.5	
RMS	371.6		343.5		399		322.8		127.9	
1/2 P-P	573.3		593		704		642.4		234.6	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-253	447.7	-271.6	363.7	-322.3	399.1	-276.3	284.9	59.6	150.9
2nd	75.1	-42.7	95.4	-66.5	141.7	-125	136.9	-124.4	8.5	2.5
3rd	-24.9	-19.4	-45.4	16.6	-47.3	24.6	-40.7	-6.1	27.9	-58.2
4th	18.4	8.9	17.6	11.8	30.3	12.8	29.6	-1.4	-16.5	10.5
5th	-5.4	38.3	4.8	81.2	12.3	106	21.8	92	2.4	5.3
6th	-6.2	6.7	-10.3	33.7	-12.7	47.5	-9.5	32.8	-4.7	20.2
7th	-14.1	0.9	-3.5	2.9	10.4	-0.6	23	-11.3	-2.8	1.8
8th	5.4	-4.8	5.4	-25.8	5.8	-13.2	-1.6	20.4	4.8	20.6
9th	-14.8	-7.2	-6.3	-6.5	0.4	-2.5	6.5	2.9	3.1	-5
10th	-6.8	-6.1	-1.1	3.5	-1.8	1.1	1.2	-2.4	-3.9	6.9
11th	-8.8	30.2	-2	60.4	1.4	8.1	4.8	-42.5	13.5	-5
12th	-0.7	-5.9	-12.6	3.8	-0.9	-7	7	-6.5	0.5	2.2
13th	-9.1	-7.4	-21.8	0.8	-15.4	-5.7	7.4	-0.8	6.5	-10.5
14th	-0.3	-2.7	-3.1	-1.9	-8.5	0.7	2.9	-0.4	-10.2	4.1
15th	0.2	-1.1	0.4	-1.2	-7.5	7.8	2.2	0.9	7.2	-9.3
16th	1.6	1	3.3	3.5	-3.9	4.6	1.5	-0.2	-7.3	2.7
17th	1.7	-0.8	-1.1	1.3	0.4	5.6	-1.3	-1.4	-1.8	2.5
18th	-0.7	-3.8	-2.2	2.5	4.2	9.3	1.8	1.6	-6	2.2
19th	-5.8	2.2	0.1	-2.8	5.2	-7.5	5.6	-5.6	-0.6	2.1
20th	-0.9	1.4	-0.8	4.9	-4.7	-9.9	2.1	8.8	5.9	-4.1

RUN 39 PT 8

V/OR = 0.198
VKTS = 78.9
ALFS,U = 5.00
MTIP = 0.606
CLRH/S = 0.080220
CXRH/S = -0.007605
CTH/S = 0.080578
CP/S = 0.000854

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	168.2		-2.4		-3.4		-101.4		-6.9	
RMS	36.4		39.7		54.2		71.8		22	
1/2 P-P	96.8		78.8		96.2		130.8		58	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	9.5	12.1	17.7	-32.1	23.7	-55.7	25	-62	-7.1	-15.2
2nd	-7.6	12.2	-18.5	19.1	-32.3	26.7	-58.1	35.1	-15.2	11.5
3rd	9.3	-21.9	2.6	-18	-1.4	-9.4	-1.7	29.6	-2.6	5.6
4th	-7.3	-7.1	-8	-7.2	-10.5	-4.3	10.3	3	7.7	0.7
5th	2.4	-6.2	-0.6	-5.5	-4.7	-0.4	2.4	-3.6	2.3	-1.3
6th	5.3	-2.8	3.6	-3.9	0.8	-1.5	0	-2.2	-3.7	1
7th	7.3	4.1	6.9	2.1	4.1	1.2	-2.4	0	0.3	1.9
8th	-13.3	24.9	-5.5	19.2	-2.1	7	-3.2	4.3	0.5	3.3
9th	-2.7	2.3	-0.4	2.2	1.1	1.2	-0.6	0.9	0.3	-1
10th	2.3	-1.1	2	-1.3	0.8	-1	1.8	-1.4	-2.8	1.7
11th	-3.7	4.9	-1.3	2.7	2	-2.1	0	0.6	-0.8	1.3
12th	-1.2	-1.5	-0.4	-0.7	0.9	0.2	0.3	-1	0.1	0.7
13th	-0.5	3.5	0.3	1.6	-0.4	-1.4	0.5	-1.1	-0.9	0.3
14th	-2.3	11.8	1.7	3.9	-0.1	-5.1	0.3	-4.9	-2.1	4.9
15th	-7	17.4	1.7	6.5	1	-6.5	0.2	-9.4	-1.8	9.2
16th	-8.7	-0.3	-2.6	1.3	2.7	-0.2	3.6	-2.7	-3.5	1.9
17th	1.4	-3.3	-0.6	-1.5	-0.5	1.1	0.4	1.8	-1.9	-1.7
18th	3.2	-3.9	-0.5	-1.3	-0.8	2.6	1	2.2	-3.1	0
19th	3	-3	-0.1	-0.7	-1	2.6	1.3	0.7	-3.6	1.2
20th	-4.8	3.4	0.3	-0.2	0.8	-2.9	0.3	0.2	-0.9	-3.2

D-753

RUN 39   PT 8

V/OR = 0.198 ALFS,U = 5.00 CLRH/S = 0.080220 CTH/S = 0.080578
VKTS = 78.9 MTIP = 0.606 CXRH/S = -0.007605 CP/S = 0.000854

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-71		668.6		380		1360.6		-52.5	
RMS	355.3		304.7		341.3		272.3		126.1	
1/2 P-P	535.7		510.5		598.4		529.6		231.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-228.9	436.6	-228.1	339.9	-253.3	356	-216.6	248.5	45	155.1
2nd	70.6	-38.4	87.6	-57.7	141.4	-108.9	136.6	-109.7	13	-4.2
3rd	2.1	-28.8	-20.9	-0.2	-18.9	-1.7	-20.6	-23	33.3	-48.3
4th	19.4	6.6	21.6	14.3	34.1	14.4	24.1	5.9	-24.3	-1.1
5th	2.2	29.7	6.6	59.1	11.7	72.9	8.5	65.4	1.9	6.2
6th	-3.7	1.5	-8.5	20.9	-10.2	28.1	-9.3	23.7	-4	12.6
7th	-19.7	-2.1	-5.1	-2.5	11	-5.8	29.3	-3.9	-5.8	-2.4
8th	2.4	-3.7	9.1	-19.5	6.5	-8.1	-2.2	18.2	-0.4	16.7
9th	-10.5	-11.2	-2.7	-8.7	2.6	-2.1	9.9	4.5	-0.8	-3.4
10th	-1.7	-10	-2.5	-8.4	-0.6	-1.3	4.3	3.3	-0.6	4.7
11th	7.2	4.9	8.7	-5.1	0.9	0.5	-4.3	-2	2.8	1.1
12th	9.7	-8.2	5.7	-12.7	-1	-7.1	-3	1.6	2.2	-1.1
13th	5.9	-1.7	4.9	-7.2	3.1	1	-1.5	2.7	2.7	-8.2
14th	0	-2.3	-6.4	-8	-3.6	11.2	3.6	-0.6	-18.6	-1.6
15th	-0.9	-2.4	-2.7	-9.6	-0.9	22.3	2.9	-2.5	-12	6.2
16th	1.8	-0.6	7.5	3.5	-6.4	11.1	2.4	1.7	5.4	4.5
17th	0.1	1.7	0.2	2.9	-0.5	-6	-1.3	1.9	-1.1	7.8
18th	-1.8	-2.7	1	8.5	4.1	1.1	-0.4	7	9.9	9.7
19th	-6.1	4.9	1.4	-0.3	5.5	-17.1	0.9	-1.5	8.7	-4.4
20th	4	-3.8	0.7	-0.2	-3.6	13.6	-0.2	-0.6	-5.8	-0.1

D-754

RUN 39   PT 9

V/OR = 0.174   ALFS,U = 5.00   CLRH/S = 0.080262   CTH/S = 0.080605
VKTS = 69.3   MTIP = 0.606   CXRH/S = -0.007441   CP/S = 0.001158

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	170.1		-0.1		-1.7		-94.5		-5.9	
RMS	52.5		39.6		45.7		66.3		24.2	
1/2 P-P	147.4		93.1		75.4		130.8		65.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	4.8	19.3	8.6	-22	12.4	-43.5	11.4	-50.7	-7.8	-12.7
2nd	-6.9	8	-20	13	-34.8	18.9	-59.3	28.2	-18.1	9.3
3rd	3.2	-15.6	-3.7	-9.6	-9.1	-2.1	-8.6	31	-3.3	5.8
4th	-15.1	-10.3	-15.1	-8.3	-15.6	-5.3	10.1	5.2	8.7	1.2
5th	1.5	-7	-2	-6.8	-5.3	-3.3	3.7	-1.2	0.3	0.6
6th	1.1	4	0.7	-4.3	-0.9	-2.4	0.4	-2.3	-4.2	2.5
7th	-1.3	-4.3	-0.7	-3.1	0.2	-1.1	-3.3	-1.2	0.5	0.3
8th	-9.9	-0.6	-6.8	1.4	-2.9	0.6	-3.9	0.1	1.7	-1.3
9th	-8.1	-7.2	-6.4	-2.8	-1.8	0.4	-3.3	-1.4	0.3	-0.1
10th	-17.4	-0.3	-9.6	2.3	0.8	0	-5.9	1.9	2.3	0.1
11th	-61.6	-15.5	-34.8	3.3	7.1	2	-20.7	3.7	15.8	-0.7
12th	-8.5	-13.4	-5.6	-4.9	2.4	2.6	-2.1	-0.3	1.7	0.7
13th	-3.8	1.1	-0.9	1.2	1.1	-0.8	0	0.4	0.4	1.7
14th	-0.8	7.4	2	1.1	0.3	-3.7	-1.5	-2.7	2	4.6
15th	3.7	11.8	3.8	1.7	-2.7	-4.1	-4.3	-3.9	4.9	4
16th	-5.3	7.7	0.3	2.4	1.1	-3.9	0.7	-4.2	-1.3	2.6
17th	-4	-0.2	-1.1	0.1	2.1	-0.4	2.2	-0.6	-3.5	1.8
18th	-3.3	-1.6	-0.7	0.4	2.1	0.3	1.9	-0.2	-0.5	3.5
19th	-1.8	-0.8	-0.1	-0.1	0.4	0.3	0.6	0	2.6	0.6
20th	1.9	2.1	0.4	-0.7	-1.7	-0.9	0.4	0.9	0.1	-3.4

D-755

RUN 39   PT 9

V/OR = 0.174   ALFS,U = 5.00   CLRH/S = 0.080262   CTH/S = 0.080605
VKTS = 69.3   MTIP = 0.606   CXRH/S = -0.007441   CP/S = 0.001158

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-51.2		677.8		383.7		1357.8		-54.9	
RMS	343.1		286.8		298.7		238.5		124	
1/2 P-P	562.6		512.3		557		493.2		232.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-195.9	426.2	-177.3	321.1	-178.4	320.9	-147.7	214.1	35	155.1
2nd	78.5	-44.8	92.4	-61.5	150.5	-101.9	144.9	-105.1	18.3	-7.6
3rd	21.9	-45.2	-2.4	-26.8	3	-36.3	-7	-52.1	33.4	-38.1
4th	18.2	3	18.9	15.8	27.4	19.7	6.8	10.6	-28.5	-10.8
5th	0.6	29.1	-8.7	57.5	-13.2	73.8	-24.5	63.9	6.3	14.1
6th	-6.3	4.5	-4	17.7	-1.5	24.2	-2.5	16.5	4	10.4
7th	-14.4	8.4	3.1	5.4	13.6	-2.6	17.6	-14.8	1	-0.1
8th	7.6	3.3	13.3	0.8	6.3	0.9	-7.5	1.1	2.1	4.4
9th	3.1	-10.9	9.3	-4.1	6.1	0.8	-0.6	2.5	-1.1	-6.7
10th	10	-9.1	18.2	-12.2	-0.2	-2.2	-14.6	6.4	-0.1	2
11th	50.5	23.5	100.2	5.1	13.2	2.6	-65.7	-6.6	-4.6	-13.9
12th	17	4.2	30.7	5.9	8.8	-4.8	-11.8	-5.7	-6.6	4.2
13th	5.6	8.6	15.8	3.9	8.2	4	-2.4	-2.1	3.1	-5.6
14th	2.4	3.2	1.5	-3.9	1.4	4.6	0.8	-4.3	-23.5	11.6
15th	2.2	-0.4	0.7	-5.8	12.4	8.7	-1.9	-2.6	3.3	10.3
16th	0.5	-1.4	-2	-8	-5.4	7.9	0.4	-0.7	-3.7	-6.1
17th	-0.3	0.3	1	-2.4	-5.3	-1.1	1.8	-0.2	1.3	4.2
18th	1.1	-0.6	0	1.1	-7.1	2.3	0.7	1	3.1	-6.1
19th	1.1	1.1	0.3	0.9	-4.7	0	-0.8	-1.1	-4.8	-0.9
20th	7.4	-6.5	-2.8	3.6	-0.1	15	-6.6	8.6	-1	4.7

D-756

RUN 39   PT 10

V/OR = 0.151   ALFS,U = 5.00   CLRH/S = 0.080142   CTH/S = 0.080486
VKTS = 60.1   MTIP = 0.605   CXRH/S = -0.007437   CP/S = 0.001487

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	170.2		-0.4		0.2		-88.1		-5.1	
RMS	40.9		29.9		39		61.9		24.9	
1/2 P-P	113.3		81		73.3		130.8		64.5	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-5.1	25.8	-3.5	-13.1	-0.7	-31.7	-5.3	-41.6	-10.4	-11.1
2nd	-7.8	5.5	-22.2	8.8	-36.2	13	-61	23.6	-22.9	8.3
3rd	-0.9	-11.4	-8.9	-4.7	-14.4	1.7	-21.4	28.7	-6.8	6.3
4th	-13.2	-10.2	-12.9	-7.9	-13.1	-3.7	5	4.6	6.1	2.9
5th	2.9	0.7	1.6	-0.6	-1.3	1.1	1	-4.7	-1.6	2.5
6th	2.7	1.9	3.3	0.3	1.2	-0.2	-1.6	-3.2	-2.5	3.3
7th	0.7	2	2.2	1.1	1.5	0.4	-3.1	-1	1.6	1.1
8th	-12	-7.3	-9.5	-3.4	-4	-1.6	-3.3	-2	-1	-0.4
9th	-3.3	-9.3	-4.1	-5.3	-0.3	-0.9	-3.6	-2.6	1.1	0.9
10th	-11.7	-2.6	-6.9	-0.3	0.7	0.4	-5.4	2.7	3.1	-2.4
11th	-32.9	-16.2	-19.6	-2.5	3.4	1.8	-10.4	1.2	6.9	-1.7
12th	-4.1	-6.9	-2.4	-2.5	1.5	1.6	0.4	-1.2	-2.5	1.5
13th	-4.7	-2.8	-2.9	-0.2	1	0.7	-1.3	-0.3	0.7	3.4
14th	-8.7	-1.5	-3.1	0.4	2.4	-0.5	0.5	0.2	0.9	1.3
15th	-17.4	-0.6	-4.9	2.2	5.7	-2.3	5.4	-2.5	-4.8	1.3
16th	-12.2	-3.5	-3.3	1.7	5.2	-0.3	4.6	-2.6	-5.2	2.6
17th	-7.5	-2.5	-1.4	0.2	3.1	-0.3	1.8	-2.1	-1.5	3.9
18th	-2.1	-0.6	-0.3	0.6	1.1	-0.1	0.6	-1.2	-0.3	2.7
19th	4	-2.5	-0.1	0.1	-1.6	2.5	1.6	-0.1	-4.2	2.5
20th	9.2	3.7	-0.5	-0.7	-5.6	0.7	1.9	0.1	-9.4	1.6

D-757

RUN 39   PT 10

V/OR = 0.151   ALFS,U = 5.00   CLRH/S = 0.080142   CTH/S = 0.080486
VKTS = 60.1   MTIP = 0.605   CXRH/S =-0.007437   CP/S = 0.001487

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-37.6		688.9		388.8		1356.4		-59.3	
RMS	330.6		259		264.6		208		124.1	
1/2 P-P	562.3		496.8		493		451.4		232.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-159.1	422.2	-121.2	310.2	-100.7	295.3	-76.8	190.6	25.4	159.7
2nd	69.1	-41.4	86.7	-58.2	146	-93.2	143	-99.8	25.7	-9.3
3rd	39.1	-59	14.9	-51	21	-66.5	4	-76.3	34.4	-26.3
4th	10.5	-0.4	3.7	11.2	4.3	11.6	-16.1	4.8	-25.8	-9.2
5th	-0.4	24.4	-8.9	47.8	-15.2	64.1	-18.7	58.8	-1.6	19.1
6th	-5.4	1.8	-5.9	8.5	-3.6	12.8	-1.3	9.9	-3.3	6.1
7th	-24.1	3.6	-3.9	3.4	15.3	-0.9	27.7	-5.6	0.5	-0.8
8th	9.6	5.5	17	6.5	10.4	5	-9.9	-4.7	1.5	-0.7
9th	5.1	-5.7	9.9	-0.8	7.9	-0.9	-1.5	-3.2	-2	-9.9
10th	6.6	-9.1	12.9	-11.5	1.1	-6.5	-11.2	5	-4.6	1.1
11th	35.7	21.9	64.1	14	10.1	1.6	-41.6	-11.2	-2	-12.9
12th	20.3	-2.3	26.3	-3.7	10.3	-5.3	-8.5	1.2	-12.6	2.6
13th	-11.4	5.3	-9.3	17.8	-11	11.3	4	-2.7	6.9	-0.5
14th	-2.7	1.3	0.8	0.5	-9.6	-0.1	2.5	-0.6	-11.3	-4.1
15th	0.7	2.2	9.4	2.6	-16.5	10.8	1.8	-0.9	-3.1	5.6
16th	2.9	1.2	11.8	-4.9	-10.7	-1.4	2.1	2.8	4.2	-11.5
17th	4.6	-1.7	3	-2.6	-12.6	2.9	1.8	4	-10.1	2.4
18th	1.5	-5.4	-0.3	0	-2.4	6.6	1.5	5.5	2.9	2.9
19th	-3.2	0.7	0.2	2.1	6.8	-7.3	-1.1	3.4	1.2	-2.8
20th	-7.3	-3	1.3	3.8	25.6	-3.7	-4.6	-0.7	3.1	4.5

D-758

RUN 39   PT 11

V/OR = 0.124
VKTS = 49.7

ALFS,U = 5.00
MTIP = 0.607

CLRH/S = 0.079570
CXRH/S = -0.007217

CTH/S = 0.079896
CP/S = 0.001989

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	167.7		-2.3		0.5		-74.2		0.1	
RMS	59.7		39.8		37.4		61.4		26.4	
1/2 P-P	179.4		99.3		81.2		140.6		95.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-12.9	35.9	-16.4	-3.1	-16.4	-19.3	-16	-39.2	-7.4	-12.4
2nd	-10.7	3.9	-24.4	5.9	-35.6	10.8	-62	9.5	-21.4	3.6
3rd	-4.7	-6	-10.3	-0.1	-12.5	6	-25.2	26	-2	3.7
4th	-8.2	-10.5	-8.3	-8.6	-7.8	-4.8	2	6.7	7	-0.6
5th	-0.6	-9.7	-3.4	-7.9	-4.8	-3.5	3.9	-0.2	0.1	-2.6
6th	-1.2	-10.1	-2.6	-8.6	-1.7	-5.2	-0.3	0.3	-1.8	-3.9
7th	-17	-7.7	-12.9	-3.5	-5.9	-0.6	-0.9	-2.1	-4.3	-3.1
8th	-13.1	-34	-14.1	-21.5	-6.3	-7.1	-2	-4.9	-4.1	-4.4
9th	-6.3	-5.9	-4.9	-1.8	0	0.6	-1	-0.2	0.8	1
10th	-12.6	11.8	-5.1	8.9	1.8	1.1	-0.9	5.8	1.3	-5.1
11th	-39.7	22.3	-15.9	19.2	4.9	-1.3	-6.7	10.4	4.9	-9.5
12th	-10	14.6	-1	8.6	2.3	-3.3	1.7	1.4	-1.9	-0.8
13th	1	14.1	3.3	6	0	-3.6	0	-0.8	0.8	1.6
14th	8.8	6.4	4.3	-0.3	-3.7	-1.6	-4.1	0.1	3.4	-0.1
15th	19.3	-13.9	3.3	-8.2	-5.6	6.2	-4.3	10.1	3.2	-9.9
16th	14.8	-0.9	2.9	-3.5	-5.5	2.5	-3.9	3.5	0.6	-3.9
17th	3.2	-5.3	0.3	-0.8	0.1	3.9	0.8	0.9	-1.7	0.6
18th	-5.6	-3.4	-1.5	-0.2	3.4	0.2	2.2	0.7	2.9	1.1
19th	-10.9	6.2	0.6	0.7	3.7	-5.9	0.3	0.7	7.7	-6.7
20th	-18.2	2.3	1.9	0.4	8.1	-5.9	-2.5	1.5	10.7	-9.2

D-759

RUN 39   PT 11

V/OR = 0.124   ALFS,U = 5.00   CLRH/S = 0.079570   CTH/S = 0.079896
VKTS = 49.7   MTIP = 0.607   CXRH/S = -0.007217   CP/S = 0.001989

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-15.6		711		401.8		1358.4		-74.3	
RMS	331.1		265		268.6		218.8		132.2	
1/2 P-P	582.4		545.4		570.5		456		222.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-113.7	436	-56.2	314.5	-8.7	283.1	1.9	178	20	175.1
2nd	59.1	-36.9	84.6	-56.7	143.9	-92.7	141.4	-96.7	25.6	-5.6
3rd	21.1	-75.9	1.1	-73.4	3.3	-95.1	-11.4	-95.4	28.3	-11.2
4th	10.3	4.7	5.6	19.1	3	22.8	-9.7	16.4	-13.4	-11.2
5th	10.9	39.3	30	96	38.6	134.9	38.5	131.2	11.5	6.4
6th	3.3	12.1	1	25.7	-3.1	30.8	-11.2	13.6	2.9	-3.2
7th	-12.3	12.8	12.5	16.6	18.8	13.1	5.9	-0.5	5	-3.1
8th	13.2	7.1	24.9	24.8	12.8	14	-11.1	-17.8	-2.8	-13.4
9th	1.9	-5.7	9.9	-3.4	6.9	-4.6	0.5	-1.9	-4.8	-8.1
10th	-1.5	-12.8	4.2	-22.1	-3	-6.8	-4.5	18.5	-4.1	-3.4
11th	41.8	-26.2	54.3	-58.2	5.8	-10.4	-35.2	40.7	-14.8	-13.1
12th	14.2	-19.8	11.8	-38.9	1.9	-8.7	-1.9	18.7	-10.6	5.6
13th	5.6	5.9	9	-6	13.5	8.3	0.5	2.3	-8.1	-3.2
14th	-2.5	3.4	-8.9	2.3	7.2	3.2	-0.3	-4.3	-8.6	20.2
15th	-0.3	3.1	-2.9	7.4	14.8	-27.6	-5.6	-0.9	-2.8	6
16th	0	-1.2	-10.1	16.3	9.1	7.3	-9.1	3.4	1.8	16.1
17th	-0.1	0.2	-1.8	-1.3	-1.7	-12.7	-0.7	4.7	8.5	-8.6
18th	-0.8	-4.7	7.6	4.9	-0.9	8.9	8.7	3.8	-4.2	3
19th	-1.3	-0.2	3.1	-5.2	-2.5	13.9	9.6	-13.9	0.3	2.2
20th	-7.8	-19.8	11.4	-1	14.8	35.7	40.5	-0.7	-10.4	-6.5

D-760

RUN 39   PT 12

V/OR = 0.101   ALFS,U = 5.00   CLRH/S = 0.079910   CTH/S = 0.080237
VKTS = 40.3   MTIP = 0.606   CXRH/S = -0.007237   CP/S = 0.002611

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	166.7		-1.8		5		-58.3		4.3	
RMS	80		59.6		51.3		73.1		33.9	
1/2 P-P	239.4		140.4		118.3		175.5		117.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-26.3	42.6	-27.3	4.1	-25	-12	-24.3	-35.9	-11.3	-12
2nd	-12	3.5	-24.5	1.4	-35.7	2.5	-65.6	-1.2	-22.4	0.2
3rd	-0.7	5.9	-5.2	7.1	-9.8	10.4	-16.8	38.6	0.4	7.3
4th	-8.7	-9.5	-10.2	-7.8	-11.8	-3.4	-0.1	1.4	4.4	0.6
5th	-34	-45.7	-42.2	-33.2	-38.3	-23.6	35.5	19.4	11	5.3
6th	8.4	-21.4	0.4	-17.4	-1.5	-10.9	6.2	3.2	5	-4.5
7th	-25.4	3.1	-16.4	6.2	-6.7	3.7	1.1	-6.3	-6.3	-0.8
8th	-9.4	-40.4	-12.1	-26.5	-5.2	-9.9	-1.3	-9.4	-6.1	-3.7
9th	-6.3	3.7	-3.1	4.4	0.7	0.9	-4.5	0	2.8	3.4
10th	-15.9	19.6	-5.3	14.9	1.9	2.6	-5	10.2	6.7	-6.2
11th	-25.7	27.9	-8.3	20.6	3.7	-0.9	-2.9	15	3.7	-13.8
12th	-3.7	15.9	2.5	7	2.2	-4.2	5.2	2	-5.6	-1.6
13th	4.1	13.2	6.8	3.9	-0.2	-3.5	2	-3	-2.7	4.7
14th	7.9	-1.2	2.9	-3.7	-3.9	0.9	-6.6	0.8	5.9	1.5
15th	21.8	-31.3	0.6	-13.4	-5.9	13.6	-5.3	17.9	6.3	-17.5
16th	18.6	-9.4	1.6	-5.8	-6.3	6.2	-2.7	6.8	1	-8.2
17th	1.2	-9.4	-1.8	-1.2	0.8	4.6	4	-0.7	-4.6	2.8
18th	-9.4	-3.8	-2.4	1.1	4.8	-0.4	2.6	-1.7	0.9	5.4
19th	-9.4	8.2	-0.9	0.9	1.6	-6.1	-0.1	1.8	3.1	-5.6
20th	-14.8	14.1	1.2	-0.4	3.1	-11	-0.8	2.2	4.2	-17.7

RUN 39   PT 12

V/OR = 0.101 ALFS,U = 5.00 CLRH/S = 0.079910   CTH/S = 0.080237
VKTS = 40.3   MTIP = 0.606   CXRH/S = -0.007237 CP/S = 0.002611

HARMONIC	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
MEAN	13.9		732.3		401.5		1325.5		-94.6	
RMS	363.6		289.4		291.1		225.2		148.4	
1/2 P-P	599.6		566.6		595.9		483.6		268.8	
1st	-149.1	473	-63.5	341	-1.1	301.6	2.6	202.5	-2.5	193.3
2nd	62.1	-17.6	91	-42	152.1	-68.8	150.8	-66.1	31.5	3.4
3rd	-14.6	-36.2	-37	-34.9	-35.1	-54.6	-43.3	-56.3	25.1	7.5
4th	17	7.2	6.8	31	8	36.5	-9.7	28.1	4.7	-10.4
5th	92.2	37.1	132.3	61	172.5	82	120.3	62.8	38.5	-35.2
6th	16.9	10.9	-10.7	38	-26.4	52.8	-32	38.2	15.3	-4.1
7th	-2.6	13.3	14.3	13.3	8.6	18.4	-7.1	18.2	-3.2	-3.6
8th	8.9	3.5	18.9	26.6	9.7	18.7	-5	-26.3	-10.6	-9.5
9th	-2.2	-19	3.3	-19.3	5.8	-8.3	1.9	0	-2	-2.2
10th	-14.5	-22.2	-7.1	-32.3	-6.4	-7.8	-1.6	28.8	1.4	-6.2
11th	18.4	-16.6	24.3	-44	-0.6	-4	-15.1	40.3	-6	-8.1
12th	8.6	-26.8	1.8	-41.8	0.8	-8.6	5.6	20.3	-12.5	7.7
13th	6.3	-18.8	-4.9	-43.7	8.1	-20.3	5.8	9.6	-15.5	-8.5
14th	-1.7	4.5	-9.7	8.6	2.4	-1.9	-0.9	-3.7	-7.1	24.1
15th	2.5	1.7	-0.5	15.7	9.8	-46.4	-5.1	6.1	18.6	2.9
16th	0.4	-0.8	-15.7	19.8	2.4	-6	-11	6.9	9.2	10.3
17th	1.1	1.6	3.5	3.1	-3.7	-11.4	0.1	8.1	10.2	-3.9
18th	-0.3	-3.2	11.6	0.4	-2	7.3	10.5	2.3	2.2	-8.1
19th	2.9	4.9	0.3	-9.6	-11.1	9.2	-2.3	-19.7	-5.1	4.5
20th	2.1	-0.7	2	-12.4	-2.8	23.8	5.9	-29.1	-4	4.9

D-762

RUN 39   PT 13

V/OR = 0.091   ALFS,U = 5.00   CLRH/S = 0.080179   CTH/S = 0.080503
VKTS = 36.3   MTIP = 0.605   CXRH/S = -0.007222   CP/S = 0.002946

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	168		1.5		10.8		-51.2		7.8	
RMS	106.1		81.3		65.5		87.4		37.2	
1/2 P-P	296.2		216.2		154.2		198.5		104.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-26.5	45.7	-27.5	6.2	-25.6	-12	-30.1	-36.1	-12.8	-10.3
2nd	-9.7	1.1	-25.6	-3.9	-39.5	-4.8	-71.7	-6	-23.5	-0.8
3rd	-8.9	12.3	-13.4	15.3	-19.5	19.7	-30.3	46	-4.5	7.9
4th	-21.6	2.7	-19	6.7	-19.3	10.8	0.7	-0.9	2.7	-0.1
5th	-31.2	-73.6	-44.5	-58.7	-40.2	-45.8	41.1	44.6	15.9	10.9
6th	16.5	-20.7	5	-17.8	-0.2	-10.5	4.8	-0.3	8.4	-7.2
7th	-47	5.3	-32.4	12.8	-13.9	8.8	3	-9.2	-13.9	2.6
8th	-24.5	-63.1	-25.2	-38.9	-8	-13.2	-0.1	-11.4	-11.5	-4.4
9th	-7.6	14.7	-1.8	12.4	1.5	3.3	-4.8	3.9	3.6	5.4
10th	-14.5	39.2	-1.3	26.3	2.2	1.5	-4.8	16.5	6.9	-10.1
11th	-32.2	11.4	-14.2	12.8	3.8	0.6	-7	8.4	6.7	-11.3
12th	7.7	25.5	9.3	9.4	-0.9	-5.2	7.2	0.2	-7.5	-1.1
13th	1.7	13.7	5.1	6.9	-0.4	-2	1.1	0.1	-0.3	5.2
14th	-6.4	-8.8	-2.6	-4.5	2.6	1.3	1.8	1.9	0.1	0.5
15th	15.4	-39	-2.8	-14.5	-1.9	16	1.2	16.4	-1.6	-18.4
16th	7.1	7.4	3.4	1.1	-3.5	-2.5	-4.4	-3.4	-1.4	-0.2
17th	-13	-4.9	-4.6	1.4	6.6	-0.1	8	-0.2	-4	0.8
18th	-4.1	-7.1	-2	-0.2	2.8	2.8	4.6	1.2	3.4	1.3
19th	14.4	4.5	0.8	-1.4	-8	0.9	-1.8	0.4	-5.8	0.1
20th	-23	14.3	2.6	-0.5	6.8	-13.5	-3.6	2.9	5.8	-13.8

D-763

RUN 39   PT 13

| V/OR = 0.091 | ALFS,U = 5.00 | CLRH/S = 0.080179 | CTH/S = 0.080503 |
| VKTS = 36.3 | MTIP = 0.605 | CXRH/S = -0.007222 | CP/S = 0.002946 |

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
MEAN	40.2		743.4		402.4		1304.6		-102	
RMS	362.4		302.8		326.5		267.9		159.8	
1/2 P-P	627.4		657.6		695.2		569		353.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-155.5	456.6	-66.2	327.3	0.5	296.7	13.7	196.3	-7.4	194.2
2nd	87	-9.7	114	-35.2	185.5	-54.2	183.8	-63.3	44.1	3
3rd	-23.1	-44.7	-48.8	-51.1	-44.8	-81.8	-60.5	-79	17.6	13.6
4th	2.5	-17.9	-30.9	14.2	-49.6	19.8	-72.4	40.9	-10.3	4.5
5th	112.2	52.6	165.6	76.6	218	105.2	163.8	68.7	69.7	-48.5
6th	13.4	0.7	-33.8	44.7	-57.7	69.6	-63.6	59.7	10.7	-3.9
7th	0.1	-8.6	30.6	7.1	24.8	29.7	-12.8	55.2	-2.2	-1.6
8th	19.7	-8	38.5	27.4	17.6	19.5	-14.8	-27.3	-21.3	-19
9th	-2.8	-19.3	3.8	-27.6	7.4	-14.2	11.5	6.3	3	-0.5
10th	-12.7	-48.7	-17.3	-63.3	-11.9	-11	1.3	53.6	-1.2	-1.3
11th	21.2	-7.4	37.4	-23.7	0.8	1.6	-28.6	27	-4.2	-5.3
12th	16.8	-21.6	-1.5	-45.1	8.4	-7.2	8.9	23.6	-14.2	14.2
13th	18.3	5.5	25.5	-15.9	24.2	-0.1	2.6	6	2.7	-19
14th	-0.2	7.7	6.8	8.7	-7.2	-4.8	-1.9	-7.2	-20.9	21.4
15th	4.8	0.4	10.4	20.4	6.2	-45.5	-8	9.4	23.6	-3.9
16th	-0.9	-4.9	-14.3	-10	0.9	-3	-1	-2.8	-16.5	-4.4
17th	3.2	0.7	11.3	-3	-15.4	2	6.9	-2.4	14.2	2.7
18th	1.7	0.7	8.4	5.7	-3.9	-1	4.1	6	1.7	-2.4
19th	-1.7	-5.4	-7.8	5.6	21.8	2.5	-16.9	9.1	0	6.1
20th	19	-13.6	-2.4	-6.7	-23.9	61.8	1.5	-13.5	-15.6	1

RUN 39   PT 14

V/OR = 0.081   ALFS,U = 5.00   CLRH/S = 0.080641   CTH/S = 0.080979
VKTS = 32.3   MTIP = 0.606   CXRH/S = -0.007405   CP/S = 0.003347

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	170.7		5.2		18.3		-42.9		12.3	
RMS	137.4		109.9		84.3		113.9		42.8	
1/2 P-P	411.6		304		184.6		255.5		103.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-26	44.6	-28	7	-26.3	-10.6	-37.3	-35.7	-16.1	-8.3
2nd	-9.3	0.7	-26.6	-6.1	-40.7	-8.6	-85.9	-5.7	-25.4	0.1
3rd	-22.8	29.1	-22.6	35.4	-26.1	43.1	-50.6	78.4	-12.1	12.9
4th	-43.5	7.4	-38.4	16.4	-35.6	19.4	11.9	-2.4	6.3	-2
5th	-19.8	-105.4	-41.4	-84.8	-38.2	-64.9	41.2	60.4	22	11.1
6th	3.7	-2.4	-0.7	1	-4.9	3.3	9.2	-8.9	8.1	-8
7th	-90.3	34.8	-57.9	41.1	-25.7	22.3	5.8	-11.3	-24.3	14.2
8th	11.5	-64.6	-1.6	-44.7	-0.4	-13.2	1.8	-11.5	-5.9	1.1
9th	3.2	30.8	9.2	23.1	6.4	7.3	-3.4	10.5	4.4	5.4
10th	-34	45.8	-10.6	32.8	2.6	0.4	-6.4	20.6	7.6	-17.6
11th	11.4	-51.2	-2.8	-28.1	-0.8	6.3	-0.3	-17.9	-0.7	6.4
12th	4.2	35.4	9.2	13	-2	-8.9	3.1	2.4	-3.6	0.8
13th	-6	8.3	0.6	5	2.9	-2.6	3.6	-1.4	-0.4	7.3
14th	-5.8	-12.7	-3.5	-4	4.1	4.1	3.9	2.2	-3.3	-2.3
15th	14.4	-17.5	0.6	-9.8	-4.3	7.3	-5.6	9.7	1.5	-12
16th	-8	4.1	-1.7	2.2	2.4	-4.3	3.9	-4.5	-3.2	0
17th	-0.8	-6.3	-0.4	-1.3	2.4	2.1	2.7	1.2	1	0.2
18th	1.9	-1.1	-0.6	0.2	-0.5	1.8	0.4	2.1	0.9	3.3
19th	4.3	6.1	-0.2	-0.1	-3.8	-1.5	-0.4	0.8	-4.9	-2.2
20th	-4.6	-5.9	0.1	-0.7	4.6	1.6	-1.1	-0.7	3.3	1.3

D-765

RUN 39   PT 14

V/OR = 0.081
VKTS = 32.3

ALFS,U = 5.00
MTIP = 0.606

CLRH/S = 0.080641
CXRH/S = -0.007405

CTH/S = 0.080979
CP/S = 0.003347

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	48.1		750.9		387.3		1296.7		-118.1	
RMS	355		340.3		394.9		352.7		161.5	
1/2 P-P	713.9		800.4		830.8		749.7		310.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-124.2	430	-40.9	304.6	25.9	276.7	43.7	171.9	-2.5	183.4
2nd	102.3	12.6	131.8	-20.1	209.7	-35.5	213.3	-48.2	53.6	9.6
3rd	-56.4	-98.3	-92.2	-105.2	-101.2	-159.3	-117.1	-134	3.4	17.2
4th	-11.3	-10.3	-62.2	61.9	-97.6	92.4	-138	126.1	-26.2	-6.8
5th	102.3	96.2	163.9	187.9	224.6	265.3	172.2	214	105.2	-44.1
6th	8.9	-19.4	-32	22.5	-50.9	44.3	-48	62.6	-8.8	-13.3
7th	13	-35.7	63.2	-25.9	56.9	20	-13.8	97.1	-12.8	8
8th	21.4	6	17.9	31.9	7.7	2	-9.9	-46.1	-5.8	-14.5
9th	-30.8	-23.1	-25.9	-34	1.1	-18.7	37.2	13.5	12.4	2.9
10th	-13.1	-45.6	-7	-73	-14	-12.2	-6.4	55.1	-3.2	-0.6
11th	-31.2	22.1	-20.8	75	-11.4	10.3	14.7	-36.5	8.4	-5.9
12th	31	-29.5	13.7	-68	21.4	-11	-1.7	25.7	-15.1	15.7
13th	27.1	11.8	48.5	-9.2	29.7	5.4	-9.9	-3.1	2.6	-6.5
14th	-1.5	6.7	7.3	8.7	-10.3	-11.9	1	-1.2	-8.2	-7.2
15th	4	-0.6	7.2	1.9	16.2	-34.5	-3	0.8	4.4	11.5
16th	1.9	-3.9	7.8	-11.1	0.2	4	4.5	4	4.1	-3.1
17th	1	4.2	0	2.8	-11.1	-8.9	4	3.1	-7.7	-1.7
18th	2.2	5.2	0.3	1.5	-1.2	-4.3	-3.4	0.5	9.5	0.1
19th	2.5	-0.3	-3.6	0.4	6	6.7	-14.3	-3.9	0.7	8.4
20th	-10.3	6.7	5.7	-1.3	-0.5	-19.8	17.7	-9.4	-2.7	-1.5

D-766

RUN 39   PT 15

V/OR = 0.071   ALFS,U = 5.00   CLRH/S = 0.080016   CTH/S = 0.080346
VKTS = 28.3   MTIP = 0.605   CXRH/S =-0.007286   CP/S = 0.003724

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	177.9		14.7		25		-33.6		18.6	
RMS	139		113.3		93.8		138.8		50.9	
1/2 P-P	392		303.4		219.3		298.6		129.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-15.6	48.5	-26.8	10	-26.7	-6.6	-43.4	-32.4	-17.6	-7.1
2nd	-4.1	-1	-23.9	-9.6	-38.4	-16.5	-105.5	-9.8	-27.8	-1.9
3rd	-37.5	42.3	-35.2	57.2	-35	68.8	-79.6	108.1	-23.8	18.3
4th	-61.7	-5.3	-56.5	11.3	-55.8	17.4	30.2	-4	13.6	-2.2
5th	17.3	-87.2	-2.5	-72.2	-6.3	-53.5	14.4	52.6	23.9	2.6
6th	-29.1	7.4	-27	16.7	-19.1	15.6	14.5	-14.1	8	-6.9
7th	-103.7	1.4	-74.5	17.6	-36.8	13.1	4.5	-17.9	-34.2	12.9
8th	42.5	-6.6	29.9	-10.1	10.8	-2.6	10.3	-4.8	-1.3	11.1
9th	-21.5	30.7	-5.3	27.9	5.6	8.2	-5.6	16.6	4.7	0.7
10th	-34	20.5	-15.7	18.2	1.8	2.5	-15.3	12.5	11.9	-15.1
11th	66.4	-25.7	28.9	-24.2	-8.5	2.6	16.5	-17.1	-10.8	5.4
12th	-11.9	30.9	0.9	14.8	2.3	-7.9	4.8	2.2	-2.2	1.6
13th	-10.4	-5.3	-4.7	2.7	4.3	1.2	0.5	2.7	-2.5	5.2
14th	8.5	-14.8	-0.2	-5	-1.2	6.5	-1.2	7.8	-0.1	-6
15th	15.2	4.7	6.2	-1.8	-6.1	-0.5	-6.7	-1	5.9	-4.5
16th	-16.8	-1.8	-4.7	2.6	6.8	-2.5	7.9	-3.9	-3.7	1.2
17th	6.6	-1.5	3.2	-1.1	-2.2	1.7	-3	3.4	3.5	0.2
18th	6.5	4.1	1.6	0.1	-4.2	0.7	-3.3	-0.3	-1.3	1.2
19th	-3.1	1.8	0.8	0.5	1.2	-1.6	-1.3	-1.5	-0.1	-0.5
20th	9	-15.9	-1.3	0.2	1.3	10.1	1.6	-0.4	-0.3	10.6

D-767

RUN 39   PT 15

V/OR = 0.071	ALFS,U = 5.00	CLRH/S = 0.080016	CTH/S = 0.080346	
VKTS = 28.3	MTIP = 0.605	CXRH/S = -0.007286	CP/S = 0.003724	

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	63.5		747.7		361.9		1296.6		-128.2	
RMS	341.3		362.3		453.3		444		159.5	
1/2 P-P	762.1		823.4		1029.7		920.9		316.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-46.2	396.4	17.6	273.2	77	246.6	79.6	144.3	10.5	181.2
2nd	117	30.4	146.1	-6.8	228.9	-7.4	233.4	-18	68.9	11.3
3rd	-42.4	-193.3	-103.1	-204.9	-132.7	-282.7	-151.3	-246	2.6	6.8
4th	-26	3.1	-100.3	121.7	-143.2	177.7	-202.6	209	-44.8	-35.3
5th	45.7	84.7	81.9	225.6	118	335.5	126.8	302	87.1	-3.5
6th	30.9	-39.2	6.2	8.7	-15.3	38.5	-55	84.5	-6	-16.8
7th	17.2	-42.7	70.7	3.7	64.1	56.2	-43.2	113.6	-16.5	12.4
8th	12	-5.8	-13.1	-5.5	-2.1	-10.3	36.6	-12.9	10.8	-0.8
9th	-11.9	-18.4	4.7	-36.9	7.3	-17.8	11.6	21.4	9.4	0.6
10th	-2.4	-25.3	19.3	-37.9	5.6	-8.9	-14.4	-35.3	0.7	-2.4
11th	-46.2	-2	-87.1	48	-11.1	4.1	63.5	-31.1	15.8	1.9
12th	45.7	-11.3	50.2	-55	27.7	-5.6	-18.9	18.2	-16.2	8.6
13th	11.7	43.5	44.2	59.2	14.6	38.5	-12.4	-14.1	4.9	-6.4
14th	2.2	-2.4	0.3	2	2.4	-23	-2.4	0	14.5	-15.7
15th	2.7	-0.4	-1.7	6.9	23	5.2	-1.8	-0.5	-8.5	9.3
16th	2.9	-1.4	26.1	-13.6	1.7	-3.2	13.7	2.5	5.7	-6.8
17th	-4	-0.9	-4.2	0.7	7.1	-8.9	-0.2	1	-9	-8.7
18th	-2.3	2.2	-6.9	-0.5	6.3	-1.6	-8.5	-1.9	2.4	4.2
19th	1.6	-5.8	-0.1	0.2	0.7	11.8	5	1.5	-3.7	0.1
20th	-16.9	-4.9	7.2	8	20.3	-27.4	19.2	19.9	5.7	-1

D-768

RUN 39   PT 16

V/OR = 0.041   ALFS,U = 5.00   CLRH/S = 0.081493   CTH/S = 0.081872
VKTS = 16.2   MTIP = 0.604   CXRH/S = -0.007908   CP/S = 0.004980

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	195.6		41.7		59.6		80.6		65.9	
RMS	78.1		53		42.6		112.4		50.8	
1/2 P-P	201.6		129.7		91.3		203.4		105	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-31.5	65.9	-32.2	18.3	-33.1	-2.8	-101.8	-6.4	-1	-2
2nd	10.6	10.7	1.7	1.2	-2.5	-3.6	-104.2	-20.9	-53.4	2.2
3rd	-21.5	9.7	-20.7	17.5	-23.5	19	-25.2	37.1	-35.5	7.6
4th	-16.5	-11	-15.6	-3.1	-15.3	-1.2	7.9	5.7	12.4	-2.4
5th	17.3	-54.6	1.7	-45.8	-2.4	-32.2	3.1	34.1	20.3	2.1
6th	-0.3	-0.9	-3	1.3	-4.1	1.9	3	-2.5	7.5	-0.6
7th	-31.9	-8.8	-23.7	-0.9	-10.9	0.4	2.7	-3.4	-13.1	2.6
8th	15.1	-9.2	9.2	-8.4	3.7	-2	3.4	-1.6	-3.6	-0.5
9th	-0.8	4.3	1.7	3.4	3.3	1.9	0	1.2	-0.1	0.2
10th	-8.4	-4.3	-5	-0.8	1.4	2.1	-3.3	-0.5	3.9	-1.1
11th	14.9	-17.4	4	-11.1	-3.1	3.3	1.9	-7.1	-0.4	4.3
12th	2.9	-3.3	0.7	-2	-1	0	0.2	-0.4	-0.6	0.7
13th	-2.1	-2.2	-2.8	0	-0.3	-0.9	-1.5	0.9	0.9	1.3
14th	-5.2	-0.6	-1.8	1.4	2.1	-0.2	1.7	0.1	-2.7	0.2
15th	-7.2	5.8	-1.6	2.8	1.7	-2.9	1.8	-3.3	-2.5	2.1
16th	-2.3	-0.3	0.1	-0.2	1.2	-1.4	1	-0.6	-0.5	-0.2
17th	-1.5	5.2	1.4	1.5	0	-2	-1.1	-2.7	1.4	1.4
18th	0.3	0	0.2	0.1	-0.2	1.4	0.1	-0.1	1.4	0.8
19th	3.6	-1.8	0.2	-0.3	-1.4	1.7	-0.1	0.4	-1.3	0.8
20th	3.8	6.1	-0.1	-0.7	-3.4	-0.9	0.6	0.9	-4.7	-2.2

D-769

RUN 39   PT 16

V/OR = 0.041   ALFS,U = 5.00   CLRH/S = 0.081493   CTH/S = 0.081872
VKTS = 16.2   MTIP = 0.604   CXRH/S = -0.007908   CP/S = 0.004980

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	55.8		691.9		226.4		1127.3		-217.1	
RMS	348.1		300.2		351.1		319.9		149.6	
1/2 P-P	693		723.3		811		681.6		279	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-78.6	463.7	9.3	315.8	102	278.8	162	172.1	-9.5	183.8
2nd	44.4	14.7	37.2	-7.2	51.1	-9.2	57.7	-15	77.6	32.6
3rd	-14.2	-95.5	-48.9	-108	-56.9	-139.2	-67.6	-122.9	7.7	-8
4th	-16.4	7.9	-49.8	49.8	-75.8	67.4	-89.1	75.4	-11.1	-33.2
5th	13.7	82.4	20.8	234.1	19.3	345.3	16.1	330	43.4	10.6
6th	22.6	-14.4	2.2	-14.1	-5.7	-13.8	-15.9	-4.6	3.4	-7.8
7th	1.3	-7.5	23	1.2	20.3	6.2	-9.6	11.4	-14.4	4.4
8th	5.6	3.5	-2.6	8.7	-1.4	3.4	8.2	-7	-4.8	-4.8
9th	-23	-3.8	-15.4	-2	-3.3	-0.7	17.1	4.4	-1.4	2.2
10th	-1.8	-13	3.5	-7.2	-2.1	-3	-4.5	6.7	1.3	4.2
11th	18.1	18.5	13.1	28.4	11.3	0.9	-6.6	-22.6	2.1	-2.4
12th	11.7	3.5	13.9	3.2	9.8	-0.6	-4.2	-2.8	1.2	1.1
13th	-17.4	10.4	-20.4	26.5	-18.4	16.5	2.6	-6	-0.3	1.1
14th	-0.6	-1.2	0.9	-1.6	-6	1	1	1.7	-0.8	-7.1
15th	-0.2	0.3	0.1	-5.8	-7	6.5	0.4	-0.6	-0.1	2.4
16th	-0.3	0.1	3.8	2.5	0.9	4	3.6	-0.2	0	0
17th	-3.9	-0.3	-0.2	-5.3	5.1	3.1	2.7	-3.5	-1.3	-1.7
18th	-2.4	-0.7	1.4	1.7	3.7	1.6	0.6	-0.5	1.8	1.5
19th	-2.9	-2.5	1.2	1.2	8.7	-5.2	1.3	3.8	0.5	1.1
20th	-8	-9.2	-0.3	-0.4	24.3	6.8	4.3	1.3	-1.2	1.8

D-770

RUN 39   PT 17

V/OR = 0.030   ALFS,U = 5.00   CLRH/S = 0.080194   CTH/S = 0.080573
VKTS = 12.0   MTIP = 0.608   CXRH/S = -0.007850   CP/S = 0.005232

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	191.8		39.9		58.4		89.5		78.3	
RMS	57.3		31.5		24.4		94		37.4	
1/2 P-P	122.3		74		50.9		148.9		74.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-29.6	64.3	-27	18.1	-23.8	-2.6	-117.5	-17.4	-13.2	-5.3
2nd	3.9	6.9	-0.1	1.3	-1.9	-1	-48.5	-15.1	-45.3	-2.4
3rd	-10.9	1.5	-11.2	10.4	-13.3	14	-10.1	26.1	-15.4	4.9
4th	-5.8	-10	-7.1	-6	-7.3	-5.5	3.9	6.8	8.6	-0.4
5th	15.4	-10.3	8.5	-8.5	4.2	-3	-4.5	3.8	8.9	-1.2
6th	4.2	-4	1.3	-4.7	-0.6	-3.9	0.7	3.2	3	1
7th	-15	-10.1	-12.1	-4.9	-5	-2	1.6	-1.5	-6.9	0.2
8th	10.8	-13.7	5.4	-10.7	2.6	-3	2.7	-2.8	-1.3	-3.1
9th	-4	1	-1.8	2.5	0.9	2.7	-1.5	0.7	0.9	-0.2
10th	-4.2	-0.9	-2.7	1	-0.5	1.7	-2	0.5	2.1	-0.3
11th	-2.8	5.4	-1.3	3.4	-0.5	-0.5	-0.6	2.2	0.8	-1.2
12th	-2	1.5	-0.5	1.1	0.4	-0.6	-0.1	0.4	-0.4	0.4
13th	-3.1	2.4	-1.3	0.8	0.5	-2.2	-0.2	-0.6	0.2	0.4
14th	1.4	0.4	0.1	-0.3	-0.4	-0.7	-0.7	-0.1	0.2	-0.4
15th	5.6	0.9	2.1	-1.3	-2.9	0	-2.5	0.3	2.4	-0.3
16th	0.5	1.6	0.6	0.4	-1	-0.7	-0.7	-0.8	0.4	0.9
17th	1.2	-2.5	-0.3	-0.3	0	1.1	0.3	1.2	0.1	-0.1
18th	1.4	-1.1	0.2	-0.2	-0.4	1.4	-0.2	0.4	-0.4	0.4
19th	-0.4	0.9	-0.2	0.2	-0.4	0.2	0	-0.3	-0.2	-1
20th	-0.3	-3.6	-0.2	0.5	1	1.2	-0.1	-0.9	1	2

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RUN 39   PT 17

V/OR = 0.030   ALFS,U = 5.00   CLRH/S = 0.080194   CTH/S = 0.080573
VKTS = 12.0   MTIP = 0.608   CXRH/S = -0.007850   CP/S = 0.005232

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	46.7		694.3		213.5		1135.4		-235.2	
RMS	323.3		244.7		259.6		233		128	
1/2 P-P	616.5		586.2		626.5		513.2		247.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-94.4	435.8	-9.3	297.6	71.7	259.8	128.9	163.7	4.2	172.2
2nd	6.9	0.7	7	-10.5	16.2	-10.7	22.9	-11.1	40.2	17.1
3rd	12.5	-86	-12.5	-83.1	-20.2	-99.7	-29.3	-82.2	9.1	-16.4
4th	-3.8	6.5	-15.4	22.1	-22.2	28	-29.1	27.7	2.7	-18.6
5th	-16.9	31.5	-55.6	132.9	-89.8	200.5	-89.7	213	4.5	14
6th	9.4	7.8	-3	0.4	-8.8	-4.2	-13.5	-13.1	5.9	7.3
7th	-5.3	-6.4	7.8	5.3	9.2	9.3	-3.9	6.8	-4.6	-4
8th	-0.1	1.1	-4.9	13.5	-4.3	8.9	3.1	-4.3	4.7	-5.1
9th	-13.1	-16.1	-6.7	-9.5	0.2	-3	8.2	10	-0.8	0.7
10th	8.3	-7.6	8.9	-7.4	2.5	-3.5	-6.6	5.2	2.2	-0.9
11th	20.5	4.9	20.4	-4.8	9.8	0.6	-11	2.3	1.2	1.5
12th	6.1	-0.5	7.8	-4.9	3.1	-1	-3.2	2.5	-2.8	-0.1
13th	-11.7	-2	-21.2	-0.3	-17.8	3.2	4	-0.3	-2.7	1.3
14th	0.5	0.9	-0.7	0.8	1.5	0.2	-0.4	-0.3	2.4	1.6
15th	-1	1.1	-1.8	-3.2	7.7	-7.1	0.3	-1.8	-1.1	0.2
16th	-0.3	0.3	-5.1	2.6	-3.5	5.3	-0.8	0	-2.2	0.7
17th	-2	-1.4	2.5	2.4	3.8	-1.6	0.5	2.5	2.8	2.3
18th	0	-0.6	-0.7	1.2	0.4	-0.5	-0.8	1.8	0.4	-0.1
19th	1.4	-1.2	0.9	0.3	0.9	3.9	-0.2	0.8	-1	1.2
20th	1.7	-5.2	2.5	3	-0.1	6.7	4.3	9	2.3	-1.1

RUN 39   PT 18

V/OR = 0.021   ALFS,U = 5.00   CLRH/S = 0.079837   CTH/S = 0.080190
VKTS = 8.2   MTIP = 0.605   CXRH/S = -0.007531   CP/S = 0.005769

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	189.7		37.8		55.6		57.9		80	
RMS	54.6		28.8		20.6		74		33.7	
1/2 P-P	144.3		84.4		54.3		126.1		77.8	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-33	60.9	-25.6	18.5	-19.5	-1.4	-97.7	-21.2	-31.9	-4.7
2nd	3.2	6.2	3.1	2.6	2.6	2.2	-4.6	-1.6	-30.6	0.3
3rd	2.8	-2.8	-4.7	1.4	-8.7	2.8	-14.2	12.1	6	1.7
4th	-0.5	-5.2	-2.3	-3.2	-1.7	-3.2	3.4	2.5	8.5	0.8
5th	-7	4.1	-8.2	4.9	-9.1	5.1	10.6	-3.8	-3.1	-2.2
6th	0.9	2.1	1.3	1	1.2	0.2	-1.1	0.5	-0.5	-1.2
7th	3.8	8.6	5.9	6.4	5.3	3.5	-3.8	-0.7	4.4	2
8th	3.9	-6.8	1.6	-5.1	0.8	-0.6	0.5	-1.5	1	-1
9th	2.7	-2.1	0.5	-1.6	-1.4	0.2	0.9	-1.1	0.1	0.6
10th	-3.8	-4.1	-3.3	-1.6	-0.7	-0.2	-2.5	-1.3	1.8	1.7
11th	-3.4	0	-1.5	0	1.2	-0.6	-1.1	-0.1	0.9	0.8
12th	-2.9	1.8	-1.3	1	1.1	-0.4	-0.6	0.1	0.6	0.3
13th	1.4	2.5	1.5	0.4	-0.6	-0.4	-0.1	-0.8	0.1	1.2
14th	-1.4	-1.2	-0.1	0	0.9	-0.1	0.7	0.1	-0.6	0
15th	-1.8	-3.1	-1.1	-0.5	1.2	0.9	1.1	1.2	-0.5	-1.2
16th	-2	-0.3	-0.7	0.3	0.7	-0.3	0.7	-0.1	-0.2	0.1
17th	0.8	-0.7	0	-0.5	0.1	0.4	-0.4	0.6	-0.2	0.2
18th	1.6	0.4	0.2	-0.2	-0.3	0.2	-0.6	0.5	-1.1	0.3
19th	0.5	1.5	0.3	-0.1	-0.7	-0.3	-0.3	0.2	-1.2	-0.9
20th	-1.6	-2.3	-0.4	0	0.7	0.8	0.2	0.1	0.9	0

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RUN 39 PT 18

V/OR = 0.021 ALFS,U = 5.00 CLRH/S = 0.079837 CTH/S = 0.080190
VKTS = 8.2 MTIP = 0.605 CXRH/S = -0.007531 CP/S = 0.005769

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	71.8		726.5		264.8		1185.7		-227.4	
RMS	288.8		202.4		195.1		170.7		109.4	
1/2 P-P	550		472.6		495.5		417.9		204.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-143.4	368.3	-54.8	249	18.5	217.4	74.9	139.4	-3.9	150
2nd	-14.8	-11.8	-18.9	-11.2	-24.4	-10.5	-21.8	-9.3	18.4	5.5
3rd	75.1	-29.9	56.6	-35.7	55	-44.7	39.1	-41.2	19.3	-6
4th	0.4	7.8	1.9	22.1	2.6	29.5	1.2	29.5	1.8	-9.1
5th	-19.7	-12.3	-85.9	4.9	-132.1	10.5	-152.2	21.9	-9.3	-0.5
6th	-0.4	5.6	-4.5	-5.6	-7.9	-13.8	-7.7	-17.8	-2.3	5.2
7th	-15.5	-16	-6.4	-9.3	5.9	-1.6	23.7	12.5	-1.9	-1.5
8th	-0.6	2.2	-2.3	6.5	-1.2	3.2	2.3	-4.9	4.6	1.3
9th	16.4	-13.7	5.7	-7.2	0.5	1.1	-9.1	8.1	1.1	-0.2
10th	9.8	2.9	11.5	2.9	3.4	0.6	-8.9	-2.9	0.3	-0.9
11th	-8.1	7.1	-3.1	7.7	-3.3	4.9	1.5	-3	-3.2	0.9
12th	-1.6	1.8	0.3	0.9	-1.9	3	-1.4	0.4	-0.4	-0.7
13th	1.5	-7.7	-3.5	-16.4	0.1	-9.5	1.4	3.9	0.7	-0.4
14th	0	0.3	4	-0.3	1.9	-1	0.5	0.6	-1.3	0.1
15th	0.8	-0.2	3.4	2.5	-1.4	-0.4	-0.1	0.7	-2	2.3
16th	0.7	0.2	0.6	-5.5	-3.2	-5	0.2	-0.9	-0.4	-2
17th	0.8	1.3	-1.6	0.5	-1.7	-1.8	-1.2	0.7	-2	-0.7
18th	0.2	1.6	-1.5	-0.6	0.1	-2.6	-2.5	-0.5	0	0.8
19th	-0.6	0.1	-1.3	-0.8	1.8	0.3	-1.9	-1.2	-1.2	0
20th	-1.3	11.1	-0.2	-3.7	-10.4	-16.4	-2.2	-10.2	0.1	0.2

RUN 39   PT 19

V/OR = 0.011
VKTS = 4.2
ALFS,U = 5.00
MTIP = 0.606
CLRH/S = 0.080809
CXRH/S = -0.007212
CTH/S = 0.081130
CP/S = 0.006535

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	207.9		50.7		64.6		43.4		88.4	
RMS	59.5		46.7		33.6		55.5		33.2	
1/2 P-P	213.2		173.2		110.8		155.5		79.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	5.7	14.4	1.4	6.9	0	5.4	-41	7.5	-24.2	12.4
2nd	5	-2.9	6.9	-5	5.5	-5.8	26.3	-24.7	10.1	-16.5
3rd	0.2	-7.3	-3.5	-7.2	-6.3	-7.5	-14.5	-14.5	5.6	1.6
4th	17.9	2.8	18.5	-1.7	18.9	-3	-4.2	-21.4	-11.1	5.8
5th	-4.4	20.3	1.1	18.4	2.6	15.2	-1.3	-23.9	-7.6	4
6th	-7.2	10.5	-3.6	11	-2.6	9.5	2.3	-12.3	-5.8	5.3
7th	-19.8	3.8	-13.9	6.9	-6.4	5.1	1	-3.5	-6.6	6.9
8th	8.5	-1.1	5.4	-1.9	1.8	-0.4	2.4	-1.4	-2	1.5
9th	0	13.2	2.5	8.8	0.8	2.4	-0.3	3.5	1.2	0
10th	-1.7	14	1.4	8.5	-0.2	-0.1	1.1	5.6	-1.1	-4
11th	-9.4	11	-2.7	7.6	1.6	-1.3	-1.7	5.6	0.9	-4.6
12th	-4.7	7.8	0	4.2	1.5	-1.7	1.5	2.3	-3.4	-2.4
13th	-1.9	4	0.7	2.6	0.4	0.1	1.3	0.7	-3.2	0.4
14th	-1.3	4.4	0.7	2.1	0.2	-1.3	0.3	-0.2	-1.7	0.6
15th	-1.6	1.2	-0.3	0.8	0.6	-0.4	0.4	-0.8	-0.5	1.6
16th	-0.2	2	0.2	0.1	0.1	-0.8	-0.4	-0.5	2.1	-0.6
17th	1.6	1.8	0.8	0.4	-0.6	-0.4	-0.8	0	1.8	-0.9
18th	-0.9	1.9	0.1	0.2	-0.1	-1.2	0.1	-0.3	1.7	-2
19th	1	3.9	0.5	0	-1.2	-1.6	-0.2	0	-1.6	-2.8
20th	-2.7	2.3	0.7	0	0.3	-2.2	0.3	0	0.4	-2.9

RUN 39   PT 19

V/OR = 0.011 ALFS,U = 5.00 CLRH/S = 0.080809 CTH/S = 0.081130
VKTS = 4.2 MTIP = 0.606 CXRH/S =-0.007212 CP/S = 0.006535

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	122.7		763.2		295.7		1206.6		-230.9	
RMS	94.3		121.9		143.6		166		48.8	
1/2 P-P	278.5		338.5		359.6		419.8		126.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-9.9	69.6	-2.9	42.6	17.2	24.6	31.3	3.5	29.2	37.6
2nd	-10.6	-1.9	-12.7	10.1	-15.1	31.7	-13.9	40.6	-16.4	5.5
3rd	40.4	10.9	40.9	0.2	45.9	-7.1	41.1	-15.6	6.1	-6
4th	16.4	13.9	68.4	-10	104.6	-22.9	127.8	-39.5	12	17.2
5th	-7.9	-12.5	18	-35.9	37.7	-54.6	51.8	-48.1	-14.3	7.4
6th	-8.5	-6.4	-8.6	12	-8.1	20.8	-8	34.9	-4.7	-4.2
7th	8.6	-14.2	10.4	-5.8	5.1	3.7	-14.8	22.9	-0.1	1.8
8th	-4.6	1.6	-10.5	6.5	-6.1	5	3.9	1.2	0.5	-1.1
9th	3.1	-1.1	-3.3	-11.1	-4.6	-6.4	-2.3	4.1	2.5	-1.7
10th	-10.3	-2.2	-12.4	-10	-6	-1.2	4.2	9.7	1.3	2.9
11th	-1.8	-8.6	-0.2	-18.3	-4.6	-3.5	-2.9	12.6	-2.4	-0.2
12th	12.8	-14.1	11.3	-27.8	3.7	-9.8	-5.7	11.7	-3.1	-0.9
13th	8.7	3	14.7	-2.8	9	2.5	-5	3.1	0.1	-3.8
14th	0.4	0.9	0.9	-2.8	0.4	2.6	-0.1	1.1	-3.2	0.5
15th	1.6	-0.6	1.8	-4.5	-0.6	-2	-0.8	0.8	-0.1	1
16th	-0.9	0.7	1.3	-4.6	2.3	-3.8	1.8	-2.8	0	2.8
17th	0.1	-1.6	-1.5	1.7	2.2	3.2	-0.4	0.2	-1.5	0.4
18th	-1.6	0.5	0.7	-1	1.7	0.5	1.9	-3.3	-0.8	0.1
19th	-2	1.3	-1.3	-2.8	4.2	-1.1	-1.4	-6.2	-2.2	0.3
20th	2.7	0	0.3	-0.9	-3.4	6.9	-0.2	-2.6	-2	-2.8

RUN 39   PT 20

V/OR = 0.011   ALFS,U = 5.00   CLRH/S = 0.081071   CTH/S = 0.081376
VKTS = 4.2   MTIP = 0.606   CXRH/S = -0.007043   CP/S = 0.006589

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	204.7		49.8		62.4		48.8		88.1	
RMS	58.8		46.7		38.4		53.5		28.8	
1/2 P-P	164.8		124.7		104.2		128.3		80.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	8.8	18.1	3.8	6.2	2.6	2.7	-42.7	11.6	-19.1	6.1
2nd	6.8	1.3	9.4	-3.8	11.5	-4.9	17.9	-18	4.1	-11
3rd	-11.2	-3.8	-16.8	1.9	-21.5	0.9	-20.2	19.1	12.2	8
4th	-3.2	22.7	3.9	23.2	7.1	23.3	11.5	-12	-7.5	-6.5
5th	2.9	19.5	10.7	15.5	12.7	12.1	-8.1	-16.2	-9.7	-0.3
6th	-8.6	-2.2	-8.3	-1	-7.2	-1	7.9	0.9	-4.7	-1.3
7th	-11	-10.3	-10.9	-5.7	-6	-2.6	2.7	-1.7	-5	-0.8
8th	20.1	-3.7	13	-5.6	4.8	-2.1	4.5	-0.4	2.3	-1.2
9th	7.1	-2	4.1	-1.9	0.6	0.2	2.4	-0.2	-0.6	-1.7
10th	-3.6	-1	-2.2	0.1	-0.3	-0.1	-0.9	0.5	1.2	-1.2
11th	-0.6	-26.2	-5.2	-14.1	-0.4	1.9	-2.8	-8.6	1.8	5.4
12th	5.8	1.6	2.8	-0.3	-1.6	-0.4	1	-1.2	-0.5	-0.2
13th	0.9	-1	0	0	-1.1	0.8	-0.3	0.4	1	-0.3
14th	-0.3	1.8	0.5	0.4	-0.1	-1.2	0.3	-0.8	-0.7	1
15th	-3.8	0.4	-0.9	1.1	1.6	-0.3	1.5	-1	-2.8	1.7
16th	-3.8	-1.1	-1.1	0.5	2.1	0	1.5	-0.7	-1.9	1.5
17th	0.5	-2.7	-0.6	-0.8	0.2	1.6	0.8	1.4	-1.1	0.7
18th	-1.7	0.3	-0.1	0.3	0.6	-0.2	0.2	-0.1	1.2	1
19th	-3.2	-2.2	-0.2	0	1.9	0.8	0	0.1	2.8	1.5
20th	0.1	-6	-0.7	0.5	1.4	3.6	0.1	-1	2.6	3.2

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RUN 39 PT 20

V/OR = 0.011	ALFS,U = 5.00	CLRH/S = 0.081071
VKTS = 4.2	MTIP = 0.606	CXRH/S =-0.007043

CTH/S = 0.081376
CP/S = 0.006589

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	113.9		757.1		293.7		1214.5		-233.3	
RMS	114.2		134.1		154.8		170.8		55.7	
1/2 P-P	299.9		373.4		416.9		469		131.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	3.1	49.5	6.1	30.6	19.1	23.3	35	8.7	35	39.2
2nd	-14.7	35.8	-15	42.8	-27.4	55.9	-27.8	59.9	-5.9	11.6
3rd	81.9	-51.1	65.2	-71.1	68.2	-86.9	44.2	-71.7	0.6	-26.3
4th	-15.9	10.9	18.3	55.9	31.5	81.7	48	110.8	-15.6	18.8
5th	-34.2	2.6	9.6	-1.4	34.8	-5.8	65.5	2.8	-15.1	13.3
6th	3.9	-2.4	-5.8	-0.7	-11.4	1.4	-23.5	2.1	0	-4.1
7th	14	4.4	8.1	13.8	-4.1	17.9	-25.8	13.4	0.9	0.7
8th	0.1	0.7	-11.7	6.6	-6.8	5.9	10.9	0.5	3.8	2.4
9th	-0.5	3.2	-3.3	3	1.4	-1.1	9.1	-5.5	2.1	2.8
10th	6.3	-2.4	6.8	-6	1.6	-5.2	-5.5	-0.9	-0.7	0.6
11th	2.1	26.4	13.8	39.1	3	2.4	-7.6	-32	1.9	-0.8
12th	9.3	4.6	7.1	-0.2	9.6	-1.3	-2.4	-2.5	0.6	0.5
13th	1.8	6	5	10.1	4.1	5.8	-1.6	-2.9	2.1	-0.1
14th	2.4	-1	2	-4.9	1.7	-1.6	-0.6	0.1	-1.7	0.7
15th	0.7	-1.3	1.1	-4.3	-4.7	-1	-0.6	1.5	-0.7	-5.1
16th	2.3	-0.3	2.8	-0.4	-4.7	1.6	-0.6	2.2	1.4	-2.3
17th	1.2	-0.1	0.4	2.2	-1.2	-2.3	-1	2.2	0.5	3
18th	0.2	-0.2	0.4	-1.7	-1	0.1	1.3	-0.9	-0.2	0.2
19th	-3.2	6.6	2.3	-4.1	-5.3	-12.9	3.9	-6.6	-0.9	-1
20th	0.1	7.4	0.3	-0.1	-10.8	-14.6	-0.2	0	1	-1.1

RUN 41   PT 5

V/OR = 0.252	ALFS,U = 10.00	CLRH/S = 0.082197	CTH/S = 0.083611
VKTS = 100.1	MTIP = 0.605	CXRH/S = -0.015332	CP/S = -0.001299

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	162.8		-20.7		-26.2		-124.3		-11	
RMS	63.3		77.3		93		88.3		23.8	
1/2 P-P	171.7		141.2		151.8		159.6		54.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	23.8	-22.1	35.1	-71	47.7	-102.8	47.3	-88.8	-6.6	-20.4
2nd	-9.6	28.5	-13.1	37.6	-23	44.8	-38.7	57.6	-9	18.8
3rd	17.9	-44.2	6.7	-42.3	1.8	-35.9	16	4.3	3.3	2.1
4th	19.6	-10	14.9	-14.8	7.8	-10.7	-1.3	-4	2.3	-0.5
5th	20.5	-7.9	16.4	-12.9	10.1	-12	-10.6	2.5	-0.1	-0.9
6th	14.5	1.1	10.7	-1.6	1.9	-1.1	-1.6	-3.2	2	-1.9
7th	24.5	-5.2	16.8	-7.3	6	-2.6	-0.5	-2.2	3.1	-2.9
8th	3.3	30.9	6.5	21.3	-0.6	8.4	-0.4	4.1	-0.1	5.3
9th	-3	13.6	1.3	8	-0.3	0.8	-1.4	3.3	0.9	-0.3
10th	1	10	2.6	5.5	0.6	0.1	0.1	3.3	0.2	-2.1
11th	-12.9	20.2	-2.8	13.6	1.8	0.2	-2.5	8	2.4	-5.8
12th	-4.9	-4.7	-2.8	-1.9	0.8	1	-2.1	-0.2	1.7	0.8
13th	0.1	-5.8	-1.2	-2.8	0.6	0.7	-1.3	0.4	1.2	-0.3
14th	0.4	-4.5	-1	-1.9	0.9	1.3	-0.5	0.9	0.9	-0.6
15th	6.1	-3.7	0.9	-1.7	-2.1	2.6	-2.5	2.4	2.9	-1.7
16th	7.1	-1.8	1.4	-1.9	-3	1.2	-3	2.6	3.2	-1.3
17th	3.6	0.7	0.5	0.1	-1.2	-0.5	-0.8	0.6	1.3	-0.4
18th	4.2	0.5	0.8	-0.5	-1.7	0.2	-1.1	1	0.7	-0.9
19th	5.4	1.7	0.2	-0.3	-3	0.5	0.1	0.8	-1.8	-1.3
20th	-0.1	4.4	0.4	-0.1	-1.2	-2.7	0.8	0.8	0.3	-4.3

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RUN 41   PT 5

V/OR = 0.252   ALFS,U = 10.00   CLRH/S = 0.082197   CTH/S = 0.083611
VKTS = 100.1   MTIP = 0.605   CXRH/S = -0.015332   CP/S = -0.001299

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-172		585.1		337.6		1369.2		-18	
RMS	409.3		420.4		517.4		421.8		138.3	
1/2 P-P	620.9		678.8		810.8		682.7		286.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-403.9	401.8	-425.7	370.4	-497.5	467.5	-428.8	333.3	82.6	149.5
2nd	66.5	-36.3	107.8	-87.2	161.6	-159	141	-153.8	3.7	5.5
3rd	-22.4	45.6	-56.6	84.2	-60.9	95.6	-56	44.2	31.1	-74.2
4th	6.4	13.1	7	12.1	18.5	11	24.3	-22.9	-8.1	20.7
5th	-23.8	20.3	-22.3	-23.8	-8	-50.6	6.3	-92.9	10.4	25.5
6th	1	6.9	-12.6	11.5	-5.4	11.7	-3.6	2.7	22.9	10.3
7th	0.6	-2.8	-12.3	5.8	-3.8	2.5	13.8	-9	1.4	-1.6
8th	-0.8	4.5	-7	-18.6	2	-16.1	4.2	10	3.9	10.7
9th	-0.1	16.6	0.1	-0.5	-0.9	-4.7	-5.2	-4.8	-1.9	1.7
10th	-3.4	-8	-7	-12.9	-0.7	-2	5.4	12.6	-4.9	-4.4
11th	10.1	-24.6	8.8	-43.6	-0.4	-9.3	-7.5	29.6	-5.1	-1.2
12th	-2.8	2.6	1.8	5.6	-5.6	1.3	-2	-3.6	-6.2	5.7
13th	-7	1.5	-11.5	10.8	-11.7	3	2.8	-3.6	5.5	0.7
14th	1.5	0	1.8	2.6	-1.2	-1.2	-1	-1	2.2	6.9
15th	-0.3	-1.6	-5	-4.4	2.6	-10.7	-1	0.7	9.3	-5.8
16th	-2.2	0.4	-4.8	4.1	4.9	-1.4	-1.5	0.2	-7.1	5.2
17th	-0.2	-1.8	-0.6	-0.2	6.3	2	-0.9	-0.4	4.1	-4.4
18th	-2.7	-0.1	-2.1	1	7	-1.2	-1.7	-1.4	-6.7	2.1
19th	0.8	6.3	-5.9	-2.5	-0.8	-8.1	-10.3	-5.1	0.7	2.4
20th	4.3	-8.4	-2.9	1.6	3.9	20.6	-3.3	3.8	-3.9	5.1

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RUN 41   PT 6

V/OR = 0.230	ALFS,U = 10.00	CLRH/S = 0.080264	CTH/S = 0.081639
VKTS = 91.6	MTIP = 0.606	CXRH/S = -0.014945	CP/S = -0.000966

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	164.7		-18		-23.1		-122.4		-11.1	
RMS	59		68.9		80.6		79.2		22.5	
1/2 P-P	162.8		131.8		128.2		150.3		49.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	19.5	-18.6	28.2	-61.8	38.1	-87.2	38.4	-74.8	-6.1	-17.7
2nd	-12	21.3	-17.4	29.9	-28.5	37.4	-46.5	53.5	-11.6	16.8
3rd	16.3	-41.8	4.5	-40.4	0.2	-34.2	6	5.1	0.3	2
4th	14.9	-10.5	10.7	-13.7	4.8	-8.9	1.9	-3.5	2.6	0.3
5th	19	-6.4	16.7	-10.7	11.9	-8.3	-10.3	-1.3	-1.1	-0.5
6th	12.4	4.7	9	0.7	3	-1.7	-2.1	-5	0.1	-0.1
7th	23.4	3.9	17.4	-0.6	8	0.2	-0.8	-3.2	3.2	0.4
8th	-7.1	28.3	-1.4	20.5	-2.3	8.1	-2.6	2.6	-0.6	5
9th	-8.3	9.2	-2.9	6.3	-0.8	-0.3	-3.1	1.3	1.7	0.2
10th	-9	3.6	-4.3	3.4	1.6	0.3	-3.6	0.4	2.6	-0.1
11th	-28.4	-12.2	-17.6	-1.2	2	2.6	-11.1	-1.9	8.6	2.5
12th	3.1	-12.7	-0.7	-7	-1.5	2	-1.8	-4.1	1	3.8
13th	3.8	-6.7	0.3	-4.3	-0.9	1.4	-1.5	-2.2	0.9	1.8
14th	1.4	-5	-0.3	-2.3	0.5	2	-0.9	-0.3	1	0.8
15th	4.6	1	1	-0.5	-1.9	0.1	-2.7	-0.6	3.4	1.4
16th	0.9	1.5	0.3	0.1	-0.8	-1	-1.7	-1.1	2.3	1.5
17th	-0.7	0.7	-0.3	-0.1	0.4	0	-0.8	-0.4	1.5	0.2
18th	-0.6	0.8	0.3	0.2	0.4	-0.4	-0.8	0.1	2.4	-0.7
19th	-3	0	-0.2	0.3	1.7	-0.9	-0.3	0.4	3	-1.2
20th	-0.2	-7	-0.4	0.9	2.5	3	-0.4	-0.1	3.5	3.2

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RUN 41 PT 6

V/OR = 0.230
VKTS = 91.6

ALFS,U = 10.00
MTIP = 0.606

CLRH/S = 0.080264
CXRH/S = -0.014945

CTH/S = 0.081639
CP/S = -0.000966

HARMONIC	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-153.9		603		347.3		1378		-13	
RMS	388.4		382.1		450.1		366.6		126.9	
1/2 P-P	603.3		641.8		739.2		642		263.3	
	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-389.4	375.3	-396.2	327.9	-442.8	393.4	-373.2	272.4	65.8	140.4
2nd	60.4	-26.6	97.3	-62.6	150.6	-127	133	-132.5	2.9	1.3
3rd	-9.8	50.8	-35.7	77.9	-34	85.7	-36.1	37.5	37.9	-65.6
4th	0.3	0.9	-10.3	-2.4	-5	-11.2	1.4	-36.8	-14.5	12.8
5th	-19.8	18.3	2.5	-29.7	22.4	-63.8	44.2	-104.6	0.8	28.7
6th	1.8	12.3	-8.7	13.5	-6.1	16.4	-5.3	4.9	19	22.1
7th	3	0.7	-9.8	1.9	-3.5	-2	12.8	-8.4	3.3	-4
8th	-2.9	1.2	1.1	-19.5	5.6	-12.5	-2.1	12.1	-0.8	10.1
9th	-8.8	9.5	-0.1	-1.7	0.9	-1.6	-2.3	-2.3	-4	1.6
10th	10.8	-8.8	12.2	-12.4	1.8	-0.6	-11.1	9.5	1.8	-4.1
11th	28.2	5	50.7	1.6	9	-0.8	-36	-4.4	-2.3	-2.9
12th	-8.8	7.8	-7.1	22.3	-4.5	4.1	1	-12	-3.1	2
13th	-12.5	-14.3	-29.3	-9.5	-19.2	-13.3	7	1	-3.3	4.1
14th	0.5	-1.5	2.8	0.9	2.7	-3.9	0.3	-0.7	-2.8	4.1
15th	-1.2	-2.2	0.1	-4	8.9	-3	-0.3	-0.6	4.8	5.7
16th	-1.1	0.3	0.8	3	4	5.5	0.9	-0.6	-1	0.6
17th	1.4	1.5	-0.5	1.1	-2.6	1.6	0	-1.4	0.4	1.2
18th	-2.3	1.2	-0.7	-1.2	0	-0.6	2.5	-2.8	-6.2	-1
19th	-6	6.5	3.1	-6.4	-1	-12.5	6.3	-10.8	-3.1	-0.9
20th	8.5	-6.5	1.2	5.7	-12.3	11.1	-0.3	18.3	1.6	-2.7

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RUN 41   PT 7

V/OR = 0.200
VKTS = 80.1

ALFS,U = 10.00
MTIP = 0.608

CLRH/S = 0.078283
CXRH/S = -0.014621

CTH/S = 0.079632
CP/S = -0.000507

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	166.3		-14.7		-19.9		-116.7		-9.2	
RMS	46.4		54.7		64.5		68.2		18.8	
1/2 P-P	137.1		108.2		107.9		123.7		39.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	8.9	-9.6	16.6	-47.9	24.6	-68.2	27.3	-58.9	-3.6	-15.2
2nd	-14.3	14.2	-21.3	21.6	-32.3	30.5	-52.6	45.9	-12.2	12.8
3rd	13.2	-34.4	2.4	-33.7	-2.6	-26.7	-1.5	6.4	0	0.3
4th	6.1	-10.6	2.4	-11.9	-2.1	-8.8	6	-0.3	4.7	-1.3
5th	10.7	-10.4	8.5	-12.1	5.4	-8.4	-2.5	0.8	-0.2	-1.1
6th	8.9	-2.6	6.1	-4.6	3.1	-3.5	-0.3	-2.1	-1.7	-0.6
7th	26.9	-2	19.1	-4.4	8	-2.1	0.3	-1.3	3.4	-1.3
8th	-6.3	24.9	-0.7	17.9	-1.4	5.8	-0.9	2.6	-0.5	3.3
9th	-3.9	6.1	-0.7	4.3	-0.6	-0.8	-0.2	0.3	-0.3	-0.3
10th	-1.5	2.2	-0.5	1.4	0.2	-0.2	0.4	-0.3	-1.1	0.6
11th	-18.9	-3	-10.6	1.8	1	0.6	-5.6	-0.3	3.8	1.1
12th	-1.6	-5.9	-1.5	-3.1	0.5	0.4	-0.4	-3	-0.2	2.7
13th	0	0	-0.8	-0.8	-0.6	-0.1	-0.6	-2.5	-0.1	1.5
14th	-4.3	2	-0.3	0.8	1.5	-1.3	1.2	-2.6	-1.8	2.4
15th	-7.5	4.5	-1.1	2.7	1.8	-2.1	2.4	-3.8	-3	3.5
16th	-2.3	-2.2	-1.5	-0.2	0.5	1	1.7	0.2	-2	0.2
17th	1.2	-1.5	0	-1	-0.4	0.9	0.2	0.9	-1.3	-0.8
18th	1.6	-0.5	-0.2	-0.4	-0.8	0.4	0.2	1.1	-1	0.5
19th	1.6	-0.6	0	-0.3	-0.3	1.2	0.7	0.1	-1	1
20th	-1.4	1.3	0.1	-0.2	0.4	-1.1	0.3	0.2	0	-0.2

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RUN 41   PT 7

V/OR = 0.200	ALFS,U = 10.00	CLRH/S = 0.078283	CTH/S = 0.079632	
VKTS = 80.1	MTIP = 0.608	CXRH/S = -0.014621	CP/S = -0.000507	

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-131.1		621.9		355.5		1382.7		-14.6	
RMS	361.1		331.7		373.9		307.4		115.9	
1/2 P-P	586		612.5		710.5		582.1		240.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-359.6	351.1	-342.8	283.9	-360.2	315.1	-295.3	209.1	43.6	135.8
2nd	56.2	-21.5	84.1	-45.3	135.3	-104.5	124.1	-115.2	3.3	-0.5
3rd	13.6	54.1	-3.6	72.2	1.8	76.1	-6.1	33.9	44.8	-54
4th	0.6	-6	-14.6	-14.7	-9.3	-27.4	-9.2	-43.5	-14.6	-3.8
5th	-5.2	12.3	16.5	-52.6	38.6	-105.2	54.9	-144.7	-1.7	16.9
6th	3	13.9	-4.2	16.8	-7	18	-3.9	1.4	11.1	16.6
7th	2.5	6.5	-12.9	5.1	-8.8	-1.1	14.8	-15.6	4	-8
8th	-3.3	-1.7	-0.6	-19.5	3.5	-9.7	0.8	10.8	-6.1	9.5
9th	-10.7	7	-4.9	-0.4	-0.2	-0.2	3.8	-4.1	-8.1	-1
10th	10.1	-2.4	6.8	-5.5	2.1	1.2	-6	1.9	4.3	6.2
11th	26.7	1.8	38.3	-7.1	8.4	-0.5	-26.3	-0.3	-1.4	-4.6
12th	-0.3	-0.4	0.6	3.9	-2	0.3	-2.7	-5.9	-2.1	8.3
13th	-10.7	-11.6	-25.5	-11.3	-18.1	-6.6	3.5	0.9	4.4	-0.4
14th	-0.3	-0.1	2.9	-1.7	-0.3	4.2	0.3	-0.8	-11.6	-1.3
15th	-0.1	-3.1	6.9	-9.9	0.7	3.4	0.9	-1	-3.5	0.4
16th	0.1	0.3	4.9	4.3	0	3.2	-0.9	2	2.2	1.7
17th	2.7	1.8	-2	3.1	-4.6	-1.1	-2.9	1.2	-4.5	1.8
18th	-3.2	-0.2	2.2	2.2	6.3	-0.6	0.4	1.8	4.5	5.1
19th	-6	7	0.4	-4.3	2.3	-16.7	-0.9	-6.6	3.8	-3.7
20th	12.4	-1	-3	2.1	-16.1	13.4	-11.5	6.1	-3.2	0.4

D-784

RUN 41   PT 8

V/OR = 0.179
VKTS = 71.1

ALFS,U = 10.00
MTIP = 0.605

CLRH/S = 0.079088
CXRH/S = -0.014710

CTH/S = 0.080441
CP/S = -0.000123

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	169.2		-10.2		-15.5		-109.5		-8.3	
RMS	36.6		44.4		54.7		61.3		18	
1/2 P-P	100.6		91		89.5		109.4		43.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-0.3	-2.3	7.4	-37.6	15.1	-55	19.7	-50.3	-4.7	-12.8
2nd	-14.6	9.5	-23.8	15.9	-36.2	24.2	-54.9	38	-14.8	10.9
3rd	10.7	-28.3	-0.1	-27.3	-6.3	-20.7	-7.2	3.9	-1.7	0.3
4th	1.7	-12.2	-1.4	-12.2	-4	-9.2	5.1	0.5	4.3	-0.3
5th	7.5	-11	4.7	-12.8	2.1	-10.4	-1	3.2	-1.1	1.5
6th	9.5	-2.4	7.5	-4.4	4.1	-3.2	-2.1	-1.1	-2.7	1.2
7th	22.8	-2.2	16.4	-3.7	7.1	-1.7	-0.7	-0.8	3.4	-0.6
8th	-5.8	12.8	-2.1	9.5	-2.1	2.8	-1.3	1.5	-0.3	1.1
9th	-0.7	-0.6	0	-0.2	-0.7	-0.9	-0.2	-0.8	-0.3	-0.3
10th	-3.4	-1.5	-2.4	-0.9	-0.3	-1.2	-1.2	-0.7	0	1.1
11th	-12.8	-5.6	-7.6	-0.1	1.6	1.6	-4	-0.1	3	0.6
12th	-0.8	-5.3	-1.2	-2.6	0.5	0.5	-0.1	-0.8	-0.2	0.5
13th	0	-0.7	-1	-0.8	-0.1	-0.2	-0.2	-0.4	-0.1	0.1
14th	-2.4	0	-0.5	-0.2	1.5	-0.4	1.5	-0.3	-1	0.3
15th	0.3	-0.6	-0.1	-0.6	-1.3	0.9	0.5	0.6	0.2	-0.5
16th	5.1	0.2	1.3	-1.3	-2.8	0.3	-1.7	1.6	1.9	-1.4
17th	1.6	3.2	1	-0.1	-1.3	-1	-0.8	-0.4	0.2	-0.5
18th	0.9	3.1	0.3	0.1	-1	-1.6	-0.3	-0.4	0.2	0
19th	-1.2	5.2	0.7	0.1	-0.5	-3	-0.1	-0.6	0.5	-2.3
20th	-8.7	0.6	1.2	0.1	4	-2.8	-1.1	-0.2	6.2	-2.8

D-785

RUN 41   PT 8

V/OR = 0.179   ALFS,U = 10.00   CLRH/S = 0.079088   CTH/S = 0.080441
VKTS = 71.1   MTIP = 0.605   CXRH/S = -0.014710   CP/S = -0.000123

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-115.8		624.1		353.9		1367.2		-22.4	
RMS	348.9		301.6		329.4		273.4		114	
1/2 P-P	584		583.1		655.5		553.8		237.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-329.9	355.1	-293.6	274.1	-290.4	284.9	-231.1	182.6	32.7	139.7
2nd	37.9	-25.6	64.5	-46.1	122.7	-100	119.4	-112	6.7	-2.3
3rd	29.1	49.5	12.8	61	19.3	60.2	8.4	21.8	47.3	-41.5
4th	17.4	-34.3	9.4	-54.6	18.9	-71.8	10.9	-82.9	-12.5	-9.7
5th	-0.4	15.2	13.9	-59.7	33.3	-116.9	38.5	-156.8	2.2	15.8
6th	-1.5	11.4	-6.8	15.9	-8.4	16.8	-3	5.3	3.1	10.9
7th	0.7	8.1	-10.9	4.8	-7.2	-3.8	14.3	-17.2	2.5	-9.8
8th	3.2	4.6	4.8	-8.7	3	-5.2	-3.4	1.3	-10.2	6.4
9th	-10.1	9	-3.8	5.1	1.4	1.6	6.1	-8.2	-4.2	-0.9
10th	1.2	0.9	3.7	0	0.7	2.5	-3.5	-3	0.5	8.4
11th	28.7	1.8	36.2	-4.4	9.5	-1.7	-23.6	-0.9	-3.2	-8.3
12th	11.2	-4.2	12.2	-4	5.4	-4.1	-5.4	-1.8	-5.8	5.3
13th	-16.5	-4.8	-28.2	1.8	-20	1.3	5.9	-2.2	1.2	0.1
14th	-1.2	1.5	-1.7	0.6	-5.2	1.2	1.3	-1.9	-11.5	1.7
15th	0.2	-0.8	5.1	-1.3	5.3	-2.1	-0.7	-1.7	2.2	5.7
16th	-1.7	-0.1	-0.7	1.7	7.9	-1.8	-2	-0.7	0	6.8
17th	2.1	0.5	-4	2	-0.9	5.5	-2.7	-1	0.1	1.1
18th	-0.2	0.4	0.6	-0.1	5.2	3.6	-0.7	-1.2	2.2	1
19th	-1.9	7.5	-4.4	-8.3	-3.4	-8.9	-4.7	-13.8	-0.7	-4.3
20th	-2.8	0.8	3	-2.9	-3.7	3.1	12.3	-7.4	-7.5	-3.8

RUN 41   PT 9

V/OR = 0.151   ALFS,U = 10.00   CLRH/S = 0.079405   CTH/S = 0.080728
VKTS = 60.2   MTIP = 0.607   CXRH/S =-0.014564   CP/S = 0.000437

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	171.4		-7.6		-10.4		-99.2		-6.3	
RMS	31.3		36		45.2		53.9		17	
1/2 P-P	81.2		76.3		83.3		93.2		40.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-9.3	8.5	-4.6	-24.5	1.6	-39.3	5.9	-38.9	-5.6	-10
2nd	-15	4.8	-26.7	8.8	-39.6	14.6	-58.2	25.6	-17	8.2
3rd	8.4	-24.8	-2.8	-23.5	-8.8	-18.5	-12.1	-0.5	-0.7	-1
4th	-0.2	-14.9	-3.5	-13.6	-4.6	-10.7	3.2	0.3	4.5	-0.5
5th	3.5	-10.6	1.2	-12.8	-0.9	-11.5	1.2	3.4	-2.1	2.2
6th	6.3	-2.4	5.7	-3.4	2.1	-3	-3.2	-1.4	-2.8	0.1
7th	16.2	-0.6	11	-1.8	4.2	-0.7	-1.3	-0.7	3.3	-1.8
8th	-3.8	-1.6	-2.4	-1.2	-1.6	-0.4	-1.6	-0.6	-0.4	-1.9
9th	-2.2	-1.3	-1.5	-0.7	-1.9	-0.8	-1.4	-0.8	-0.3	0.7
10th	-3.8	1.2	-2.2	0.6	0.5	-1.5	-2	0.7	1	0.1
11th	-10.1	-7	-6.4	-0.6	1.5	2.4	-3.9	0.3	3.3	-0.2
12th	1	-4.3	-0.1	-1.9	0.4	1.3	-0.4	-0.5	0	0.3
13th	2.1	-0.1	-0.3	-1	-0.6	0.6	-1.6	-0.6	1.3	1
14th	0.1	-1.3	0	-0.7	0.5	1.1	-0.4	0.1	0.7	0.3
15th	-0.2	-0.5	0.3	-0.1	-0.3	0.4	0	0	0.1	-0.2
16th	-2.3	0.9	-0.4	0.6	-0.1	-1	0.5	-1.1	-0.9	0.6
17th	-2.2	-0.2	-0.4	0.3	1.3	-0.6	0.7	-0.5	-0.6	0.4
18th	-0.2	0	0.1	-0.1	0.4	0	0.1	0.1	0.2	0
19th	1	-1.1	0	-0.3	0.2	1.1	0	0.1	-0.5	0.4
20th	2.9	1.8	-0.2	-0.4	-2.2	-0.8	0.3	0.1	-2.7	0

D-787

RUN 41   PT 9

V/OR = 0.151   ALFS,U = 10.00   CLRH/S = 0.079405   CTH/S = 0.080728
VKTS = 60.2   MTIP = 0.607   CXRH/S =-0.014564   CP/S = 0.000437

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-91.1		643		354.6		1361.6		-35.8	
RMS	334.7		265.8		275.3		228.5		115	
1/2 P-P	561.7		550.6		562.9		440.9		234.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-297.4	355.9	-234.1	262	-204.1	252.5	-152.4	153.5	14.7	146.5
2nd	52.4	-22	77.1	-42	138.3	-84.4	135.3	-97	16.4	-7.5
3rd	43.5	46.7	29.5	50.1	37.7	46.5	22.2	10.8	45.7	-31.3
4th	6.4	-10.7	-4.9	-23.6	-2.7	-37.7	-15.3	-55.7	-8.3	-18.6
5th	2.9	20.3	17.3	-55.4	35.2	-109.9	32.8	-153	-1.5	20.1
6th	4	6.9	-2.7	12.3	-5.3	14.5	-8.1	5.9	-0.5	1.5
7th	2.7	4.7	-5.2	3.4	-0.8	-2.8	10.8	-10.4	3	-7.5
8th	1.6	7.3	5.5	4.6	2.7	1.4	-4.4	-6.8	-10.5	0.8
9th	-4.3	13.1	2.2	8.7	2.6	2.3	1.4	-7.6	1.1	2.6
10th	7.1	-2.9	8.5	-5.3	2.1	-1.4	-6.1	2.5	-2.2	2.9
11th	26.2	-1.6	32.9	-5.5	9.5	-6	-19.3	1.4	0.5	-11.6
12th	-0.2	3.7	2.1	7.3	1	0	0.5	-4.2	-9.9	-0.5
13th	-15.1	-4.6	-27.6	0.5	-17.3	-1.2	6.3	-0.6	6.3	5.3
14th	-1.1	0.1	-1.8	1.3	-1.3	-1.4	1.1	-0.3	-3.1	-1.2
15th	-1	-2.6	1.5	-2.7	2.6	-3.5	1.3	-0.1	-0.1	-1
16th	-0.2	0.5	3.9	-3.4	2	-2.5	1.7	-1.2	-3.6	-0.4
17th	3.5	-0.5	0.2	3.6	-5	6.8	0.2	2.1	0.1	0.2
18th	-1.6	0.9	1.4	-1.2	2.4	-3.2	1.5	-2.1	-0.1	1.5
19th	-2.1	4.2	-2.4	-1	-2.6	-9.2	-2.3	-3.2	1.3	-0.9
20th	-2.1	-6.9	1.1	3.4	14.6	7.1	1.6	5.6	0.2	5.4

D-788

RUN 41 PT 10

V/OR = 0.125 ALFS,U = 10.00 CLRH/S = 0.079292 CTH/S = 0.080610
VKTS = 49.8 MTIP = 0.605 CXRH/S = -0.014524 CP/S = 0.000981

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	168.4		-8.1		-8.5		-92.3		-4.4	
RMS	46.7		42.8		45.7		55		18.4	
1/2 P-P	152.7		123.8		100.8		102.1		51.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-22.7	20.4	-18.9	-13	-13.9	-25.5	-13.8	-26.5	-7.2	-7.1
2nd	-15.8	0.7	-30	3.9	-43.1	10.2	-61.6	24.1	-16.9	6.8
3rd	-2	-23.8	-12.9	-20.3	-18.8	-14.3	-20.1	0	1.9	-2.9
4th	-3.4	-15.9	-6.5	-13.3	-7.1	-8.8	2.3	0.7	5.2	-2.9
5th	-9.8	-18.4	-12.6	-17.8	-12.2	-15.4	11.1	9.9	1	1.6
6th	8	-17	4.5	-14.7	2.4	-9.8	-1.9	5.5	-0.8	-3.6
7th	18.3	-18.5	10.6	-16.1	4.9	-8.5	0.3	1.6	3.5	-7.4
8th	18	-0.6	12.6	-4.2	4.5	-2.2	2.8	-0.1	2.7	-1.7
9th	6.7	-0.1	3.4	-1.7	-0.6	-1.3	1.9	-0.7	0	1.7
10th	1.7	-1.5	0.5	-1.1	1.1	0.1	0	-0.7	1.9	1.1
11th	-2.6	-18	-3.8	-8.2	1.7	3	-3.2	-4.6	3.6	3.5
12th	5.8	-3.3	1.6	-2.6	-0.4	1.1	-0.1	-0.7	0.6	0.6
13th	4.5	-2.2	0.6	-0.8	-1.4	2.2	-0.6	1	1	-0.4
14th	3.8	-1.2	1.2	-0.8	-1.2	1.3	-1	0.6	1.3	0.2
15th	1.4	10.7	2	2.4	-2.5	-3.8	-2.5	-3.9	2.7	4.6
16th	-4.8	5.9	-0.2	2.9	0.8	-2.8	1.2	-3.6	0.1	2.7
17th	-3.1	1.1	-0.3	0.5	1	-1.3	0.9	-0.9	-0.3	0.5
18th	-1.3	1.5	0.3	1	0.6	-1.9	0.3	-0.9	0.5	0
19th	-1.6	-0.1	-0.1	0.4	1.3	-0.7	0.2	-0.5	1.2	-0.4
20th	6.6	-4.2	-0.7	-0.2	-1.4	3.2	0.8	-0.1	-1.5	3.1

D-789

RUN 41   PT 10

V/OR = 0.125   ALFS,U = 10.00   CLRH/S = 0.079292   CTH/S = 0.080610
VKTS = 49.8   MTIP = 0.605   CXRH/S = -0.014524   CP/S = 0.000981

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-68.6		657.4		359.9		1349.3		-49.4	
RMS	321.6		237.7		237.8		196		115.9	
1/2 P-P	535.4		481.4		496.3		391.2		210.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-240	369.5	-155.3	264.3	-101	236.3	-63.6	138.9	-1.2	152.8
2nd	63.2	-42	88.6	-58.3	153.7	-95.5	148.4	-102.1	20.8	-17.5
3rd	69.9	19.1	59.1	17.7	71.6	8.1	47.3	-16.1	29.5	-25.1
4th	8.7	0.5	-5.6	-8.5	-9.1	-24.1	-24.7	-43.7	-3.7	-18.7
5th	15.9	21.5	-3.3	-33.5	-12.6	-74.8	-37.5	-114	2.7	10.8
6th	10	6.7	0.2	22.5	-6.3	28.1	-9.5	10.8	7.4	-9.6
7th	2	8.5	-7.8	16.1	-8	8.5	4.7	-17.6	-1.5	-0.6
8th	-4.1	9.5	-11.8	9.1	-6	4	13.7	-7.2	3.5	3.9
9th	7.2	11.2	1.3	7.1	-0.4	4	0.6	-4.1	6.2	4.6
10th	3	-8.5	1.4	-5.8	0.2	-2.3	-0.2	3.7	1.4	-2.9
11th	-4.8	-7	1.4	6.9	-3.7	-6.8	-1.6	-6.3	0.7	-4.6
12th	-11.6	-8.3	-18.8	-1.7	-7.8	-4.7	7.8	1.1	2.3	2.4
13th	0.4	10.4	3.7	20.9	6.1	11.6	-1.8	-4.3	9.7	-2.5
14th	0.4	-0.4	0.1	1.3	3.8	-2.8	0.4	0.1	-6.2	-3.6
15th	-2	1.8	-8.2	-4	1.4	8.9	-0.6	-2.8	-0.2	10.1
16th	1.2	2.1	2.2	-12.2	-1.5	-2.9	2.1	-4	0.7	-11.3
17th	-2.7	-2.9	3.8	-0.8	2.5	3.4	2.5	-2.1	-5.3	1.4
18th	-1	2.9	-1.8	-6.7	-3.3	-6.6	-0.7	-5.4	0.2	-5.7
19th	6.3	-3.5	-0.6	2.9	-7.8	10	-1.6	3.9	-3.1	-1.7
20th	-15.3	-0.8	5.5	1.4	23.8	-19	11	0.3	3.5	1.8

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RUN 41   PT 11

V/OR = 0.101	ALFS,U = 10.00	CLRH/S = 0.079113	CTH/S = 0.080406
VKTS = 40.3	MTIP = 0.607	CXRH/S = -0.014369	CP/S = 0.001735

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	167.2		-11.1		-8.5		-78.1		1	
RMS	81.6		60.4		47.2		55.4		25.3	
1/2 P-P	249.5		153.2		104.1		125		72.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-31.9	28.5	-33	-3.7	-32.2	-12.9	-20.1	-26.9	-7.3	-9.1
2nd	-18.1	2.1	-30.5	6.3	-42	12.2	-55.5	10.3	-16	2.1
3rd	-3	-11.7	-8.8	-7.7	-11.1	-3.3	-20.2	2.4	1.2	-3.8
4th	7.2	-5.5	5.5	-7	6.7	-4.5	-9.2	6.3	-1.6	-0.3
5th	20.6	-11.9	14.6	-17.2	10.3	-14.4	-8.7	14	-3.4	2.7
6th	21.9	-8.7	17.4	-10.6	10.9	-9.4	-9	2.8	0.8	-6.9
7th	10	-27.9	3.6	-22.4	1.7	-12.6	-2.1	-1.5	-0.5	-11.2
8th	38.9	-27.1	22.5	-25.5	7.8	-10	2.1	-5.4	5.5	-6.8
9th	10	-10.4	2.8	-9.3	-2.7	-3.3	-1.4	-2.7	2	-1.2
10th	-12.4	1.8	-7.5	2.5	0.7	0	-6	2.7	4.7	-3.4
11th	-73	-40.5	-44.9	-7.7	8.6	5.9	-26.1	-4.8	19.7	4.3
12th	-7.5	-14.5	-6.6	-4	1.4	4.5	-2.3	-2.9	0.3	2.8
13th	-5.2	6.6	-0.9	3.3	-0.1	-0.9	0.5	-3.1	-1.5	3.9
14th	-5.2	17.4	1.8	6.7	0.2	-6.2	0.5	-6.4	-0.5	6.6
15th	-9.7	12.2	-0.1	6.4	2.8	-5.5	2.9	-6	-2	4.6
16th	1.8	-1.6	-0.6	-0.7	0	1.1	1	1.9	-1	-3.1
17th	6.4	-0.4	1.1	-1.7	-3.2	0.8	-2	2.3	-0.8	-2.7
18th	3	-1.9	0.1	-0.7	-1	2.2	-1	1.3	-0.5	-0.6
19th	-3.4	-5.5	0	0.5	3.5	1.7	-0.3	0.6	3.2	1.4
20th	-0.2	-9.1	-0.9	1.4	2.2	5.2	-0.3	-0.3	1.8	4.8

RUN 41   PT 11

V/OR = 0.101   ALFS,U = 10.00   CLRH/S = 0.079113   CTH/S = 0.080406
VKTS = 40.3   MTIP = 0.607   CXRH/S = -0.014369   CP/S = 0.001735

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-24.1		713.8		397.4		1380.7		-67.9	
RMS	323.7		254.7		241.3		192.5		133.5	
1/2 P-P	561.1		535.8		475.8		401.9		333.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-174.4	403.6	-70.1	284	12.2	237.9	24	138.1	-1	178
2nd	55.3	-48.3	86.4	-67.8	150.3	-108.9	137.9	-104.8	15.6	-7.7
3rd	32.8	-42	21.3	-46.2	25.7	-64.1	7.9	-62.5	22.8	-1.6
4th	-2.2	-12.2	-20.2	-24.4	-31.8	-38.4	-33.1	-46	9.9	12.9
5th	-19.6	53.9	-39.8	78.1	-59.3	97.8	-49.7	73.3	14.4	33.6
6th	-19.5	16.6	-25.2	28.6	-26.1	30.7	-5.7	9.9	6.2	-1.1
7th	-22	21.3	-8.6	37.4	2.8	27.4	11.9	-17.9	7	2.1
8th	-7.2	26.4	-18.2	42.3	-5	22.4	24.5	-27.7	17.9	-8.1
9th	7.3	-1.4	3.6	7.5	6.8	7.4	3.2	-2.2	7.4	0.4
10th	3	-6.3	12.4	-9.8	2.9	-2.8	-11.2	4.3	4.8	-4.1
11th	46.6	25.8	112.7	27.3	9.7	2	-77.2	-19.4	0.4	-17.2
12th	7.6	11.6	23.1	24.9	5.4	7.9	-12.1	-7.5	0.7	-9.9
13th	-3.8	3.4	-0.1	6.4	-2.3	15	-0.3	-0.6	-3.5	6
14th	-0.9	-2.2	-3.6	-14.8	-0.4	11.3	2.5	-1.4	-9.8	-3.7
15th	0	-0.9	5.4	-3.4	0.2	20.3	1.7	-2.2	-5.7	-2.7
16th	1.2	2.6	1.1	-3.5	1	-10.2	-3.9	-2.8	5.2	6.7
17th	-0.1	0.9	-4.7	4.9	4.5	-2.2	-4.5	0.3	-5.2	7.5
18th	0	2.4	-2.8	1.7	-1.9	-5.6	-2.4	0.5	4.7	3.3
19th	-1.5	-1.5	3.7	2.9	-1.5	0.2	10.8	5.4	2.6	-4.4
20th	2.8	5.1	2.5	1	-12.5	-11.4	3.4	7.4	3.3	-3.7

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RUN 41   PT 12

V/OR = 0.091   ALFS,U = 10.00   CLRH/S = 0.079620   CTH/S = 0.080920
VKTS = 36.4   MTIP = 0.605   CXRH/S = -0.014453   CP/S = 0.002140

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	163.1		-10.8		-7.9		-68.3		3.1	
RMS	65.1		50.9		47.4		50.4		24.1	
1/2 P-P	182.3		116.8		107.8		107		82	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-37.8	39.3	-36.8	3.2	-33	-8.3	-15.7	-29.5	-8.8	-9.5
2nd	-21.4	6	-29.3	6.3	-37.5	9	-52.2	0.8	-16.8	1.3
3rd	8.4	-5.4	3.6	-6	1.6	-5	-2.7	8.7	2.6	0
4th	10.2	-12.7	4.9	-17	3.5	-15.6	-3.3	7.2	-1.8	2.4
5th	-4.1	-35.9	-14	-33.2	-15.3	-26.5	10.3	17.7	4	4.7
6th	9.8	-26.4	2.2	-22.6	-0.1	-16.3	-3.5	8.4	4	-5.8
7th	-7.8	-7	-6.7	-3.8	-2.7	-3.4	2.9	-1.7	-0.2	-5.7
8th	-10.3	-16.8	-8.9	-9.5	-2.2	-3.2	2.9	-7.6	-4.5	-2.8
9th	2.4	-5.9	-0.5	-2.9	-2.8	0.6	0.7	-6.7	-1.8	4.8
10th	3.4	-0.2	1.8	0	1	1	-1	-0.5	1.7	2.1
11th	-26.1	19.4	-10.1	15.3	5.1	-0.7	-5.7	14	6.1	-11.1
12th	-11.2	-3.3	-5.4	1.2	3.7	1.8	1	4.8	-1.7	-5.6
13th	-5.1	6.5	-1	3.3	1	-1.6	1.2	0.5	-2.3	-0.1
14th	0.4	14.8	2.8	3.7	-1.8	-6	-3.1	-3.4	3	5.8
15th	17.4	6.5	6.1	-0.3	-7.7	-0.1	-8.9	2.1	9.8	0.1
16th	14.2	7.9	4.4	-0.8	-6.8	-1.7	-8.4	-0.3	6.5	0.3
17th	9.8	1.3	1.5	-1	-4.3	1.2	-4.8	-0.5	1.1	-0.5
18th	1.6	-7.1	-1.2	-1.2	1.3	3.3	-0.3	0.5	-1.8	1.7
19th	-5.8	-12.5	-1.4	0.2	6.2	4.9	1.5	-0.3	2.3	5.5
20th	14.2	-8.1	-0.6	0.9	-4.6	7.7	2.8	-2.4	-5.9	9.9

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RUN 41   PT 12

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-17.4		708		395		1337.5		-82.6	
RMS	349.4		258.1		245.6		178.9		142.4	
1/2 P-P	537		450.8		483.9		422.4		252.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-182.4	445.8	-71.5	315.5	8.8	268	9.7	170.3	-21.9	190
2nd	28.3	-23.1	67.2	-47	126.7	-79.8	124.2	-73.7	9.7	2.1
3rd	-18.8	-16.6	-28.5	-12.9	-29.6	-18.2	-28.4	-27.4	28.4	12.4
4th	15.8	17.5	14.6	11.9	20.5	10.2	19.1	-25.3	23.8	3
5th	44.4	68.3	67	90.6	85.1	112.1	57.8	65.5	28.8	-6.8
6th	13.9	24	7.3	35.9	1.6	38.2	-9.9	6.2	20	-12.9
7th	-15.1	20.7	2.5	14.4	7.1	4.5	7.7	-14.2	2.8	-8.5
8th	1.3	-0.4	8.7	15.9	1.4	18.2	0.5	-3.1	-4.6	-7
9th	-10.3	-14.6	-7.3	-0.3	2.1	4.7	13.5	1.3	2.1	-0.2
10th	2.5	-4.1	1.4	-4	2.1	-3.8	0.9	0.4	2.3	-0.4
11th	35.2	4.4	48.7	-30	8.7	-5.6	-30.6	21.3	-2.2	-1.3
12th	9	-21.9	10.9	-28.1	-4.6	-18.2	-3.2	16.4	-2.1	-5.1
13th	5.2	-2.2	12.2	-9.2	7.1	3.5	0.8	6	-1.5	-0.8
14th	-5	-2.1	-14	-7.1	-2.5	13.2	4.9	-2.3	-12.9	16.4
15th	-2.3	2	-6.5	7.2	25.1	3.4	-2.6	-0.4	6.5	1.9
16th	1.1	2.3	-19.6	2.4	4.4	2.4	-9.7	-1.6	-6.8	9.5
17th	0.9	0	-7	1.6	8.9	-4.1	-6.2	3.5	5.3	4
18th	3.6	-4.2	-2	8.6	-7.2	4.4	-0.2	11.8	4.4	1
19th	-0.1	6.3	3.4	0.2	-19.7	-16.4	9.2	4.2	0.2	-2.8
20th	3.6	-0.6	-2.5	8.6	4.7	-10.8	-15.9	23.6	6	-6

RUN 41   PT 13

V/OR = 0.081   ALFS,U = 10.00   CLRH/S = 0.079014   CTH/S = 0.080306
VKTS = 32.3   MTIP = 0.607   CXRH/S = -0.014352   CP/S = 0.002591

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
MEAN	164.9		-8.1		0.2		-58.5		7.1	
RMS	138.8		99.2		62.5		73.8		40	
1/2 P-P	416.5		253.8		150.6		167.2		112.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-34.3	43.2	-31.9	5.1	-26.4	-11	-15.8	-27.6	-10.4	-7.8
2nd	-16.7	8.7	-27.2	1.4	-38	-2	-59.2	-7.2	-17.7	-0.5
3rd	12.3	-1.3	5.6	-6	0.5	-4.7	-2.2	-0.5	0.6	-1.2
4th	2.2	1.8	0.7	-2.2	1	1.2	-13.4	-7	-6.1	-0.8
5th	-27.9	-64.1	-38	-53.8	-32.4	-47	30.2	45.5	12	13
6th	44.7	-31.4	29.4	-32.5	16.1	-25.7	-2.1	14.1	9.8	-4.5
7th	3.4	10	5.3	5.9	3.8	2.7	4.5	-3.7	2.5	-2
8th	-9.4	-101.4	-22.5	-68.7	-6.4	-23.3	-0.6	-16.8	-6.4	-19
9th	11.7	-26.2	0.9	-18.7	-3.5	-5	0	-7.8	-1.7	2.8
10th	-2.2	27.5	1.9	16.4	0.1	-0.7	-0.6	9.4	1.8	-1.7
11th	-126.8	32.4	-60	41.5	14.6	1.5	-35.1	26.9	30.2	-18.8
12th	-2.3	-12.7	-3.5	-3.1	0.7	5.4	-0.1	2.5	-1.4	-5.3
13th	5.9	16.2	5.6	5.2	-3.3	-4	0.7	-1.2	-2.5	0.1
14th	-7.8	26.8	3.7	7.7	0.6	-11.5	-1	-8.3	2	11
15th	9.6	-1.7	0.7	-1.4	-3.6	2.2	-5	4.2	9.2	-0.8
16th	33.9	4.1	9.3	-6.1	-13.1	3	-16.2	6.1	13.3	-5.7
17th	7.6	4.2	0.2	-0.3	-4.6	-0.5	-3.3	-0.4	-2.1	-1.9
18th	-4	-1.6	-1.1	0.2	2.6	0.3	0.7	-0.6	-3	1.5
19th	-13.1	-6.3	-1.3	0.8	7.9	-0.3	2.9	-1	6.5	1.5
20th	1.8	0.8	-0.5	1.1	-0.7	0.6	2.8	-0.3	1.5	-1.1

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RUN 41   PT 13

V/OR = 0.081   ALFS,U = 10.00   CLRH/S = 0.079014   CTH/S = 0.080306
VKTS = 32.3   MTIP = 0.607   CXRH/S = -0.014352   CP/S = 0.002591

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	23.4		737.8		389.5		1324.4		-94.8	
RMS	382.3		340.1		316.7		279.6		159.9	
1/2 P-P	666.4		721.9		713.5		580.3		326.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-144.8	481.7	-50.3	347.1	9.7	308.2	5.2	199.6	-23.2	198.2
2nd	64.4	12.4	95.9	-15.7	156.5	-31.5	150.8	-43.9	22.3	16.5
3rd	-27.5	36.4	-34.6	31.1	-30.7	23.3	-33.9	-0.5	28.5	30.2
4th	-1.8	-20	-28.5	-40.7	-43.1	-66.8	-44.6	-87.6	10.8	23.6
5th	130.3	28.8	173.2	-46.5	216.9	-81.8	166.3	-148.2	48.5	-38.9
6th	-6.6	13.9	-54.5	48	-73.1	67.4	-38.8	33.1	23.5	-1.6
7th	-22.8	34.4	-22.1	20.9	-23.6	4.7	1.1	-2.4	-2.8	2.5
8th	14.4	17.7	33.5	79.7	11	46.8	-15.7	-54.2	-7.5	-28.3
9th	-3.1	-15.8	0	3.5	10.3	0.1	11.8	-11.5	2.4	3.5
10th	-2.4	-44.2	-15	-57.3	-3.4	-16.7	2.6	34.9	3.8	1
11th	113.1	-4.2	187.6	-84	24.7	-9.4	-135.9	60.2	-12.5	-13.5
12th	6.8	-11.5	11.1	1.5	3.6	-6.2	-6.6	11.1	2.1	-8.6
13th	-13.4	-5.3	-28	-5.3	-5.9	14.1	14.3	5.9	-5.8	-4.5
14th	-4.5	7.1	-6.4	-9.4	-1.3	26.3	9.1	-5.4	-33.4	30.2
15th	2.1	7.1	-2.2	15.4	7.4	3	-5	0.8	24.5	5.9
16th	-1.9	1.3	-20.8	10.3	31.9	-10	-13.5	-2	-12.4	14
17th	1.8	1.6	-6.2	-1.4	9.3	-2.3	-8.2	-1.5	17	5.2
18th	-3.9	-3.1	7.1	1.6	5.9	4.1	11	0.3	-4.1	0.2
19th	8.5	11.3	0.1	-9	-41.1	-10.9	2.8	-11.1	-2	-6.5
20th	10.9	7.2	-3.4	-2.3	-16.5	1.3	-19.5	0.3	3.8	-2.3

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RUN 41　　PT 14

V/OR = 0.041　　ALFS,U = 10.00　　CLRH/S = 0.079246　　CTH/S = 0.080581
VKTS = 16.2　　MTIP = 0.604　　CXRH/S = -0.014620　　CP/S = 0.004726

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	198.6		41.5		58.1		52.1		51.1	
RMS	85.9		65		57.9		129.6		51	
1/2 P-P	198.7		159.3		125.2		261.1		120.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-34.1	63	-36.3	18	-40.1	-3.7	-68.4	-6.8	0.9	-5.7
2nd	10.2	7.6	-0.9	-0.9	-4.8	-7.1	-145.1	-14.9	-44.1	0.7
3rd	-29.1	23.4	-28	33.6	-30.9	38.1	-36	61.8	-42.2	17.7
4th	-26.2	-10.3	-23.9	-0.2	-22	4.2	14.7	7.5	7.3	2.8
5th	11.4	-61.4	-5.3	-51.7	-8.4	-38.1	4.8	39.6	19.3	1.4
6th	6.2	-1.8	1.6	-0.3	-2.7	1.1	4.6	-0.4	10.8	-8.4
7th	-28.9	-21.3	-24.8	-11.2	-13.6	-4.9	3.3	-2.8	-9.4	-2.8
8th	3.6	6	2.9	3.4	0.4	1.6	2.8	0.7	-4.5	3.7
9th	-3.7	-11.1	-3.7	-5.2	-0.9	2.3	-3	-3.5	-0.3	3.1
10th	-4.6	-14.7	-4	-6.9	0.2	1.6	-2.5	-5.3	2.2	4.5
11th	-1.7	-1.9	-1.4	-0.5	0.8	0.3	-0.4	-1	0.8	1.4
12th	-5.7	-9.1	-3.8	-2.7	1.8	2.1	-1.1	0.7	0.7	-1.3
13th	-1.9	-6.7	-2.8	-1.2	-0.2	2.6	-0.6	1.2	0	-2.6
14th	-2.6	5.1	0.3	0.8	0	-2.7	0.2	-2	-1.4	1.6
15th	-1.1	12.8	1.5	3.8	-1.4	-5.2	-1.9	-4.9	1.8	6
16th	-0.1	-5.9	-0.7	-1.4	1.4	2.6	1.5	2.5	0.5	-1.2
17th	0.3	0.3	0.1	-0.2	-0.1	0	-0.1	0.4	0	-0.5
18th	-1.2	0.7	0.1	0.8	0	-1.2	0.1	-0.7	0.3	-0.4
19th	-2.6	0.8	0.3	0.3	0.7	-1.3	0	-0.8	0.6	-0.1
20th	3.8	-0.8	-0.1	-0.1	-1.7	1.2	0	-0.1	-1.3	1.2

D-797

RUN 41   PT 14

V/OR = 0.041   ALFS,U = 10.00   CLRH/S = 0.079246   CTH/S = 0.080581
VKTS = 16.2   MTIP = 0.604   CXRH/S = -0.014620   CP/S = 0.004726

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	61.9		682.3		213.8		10099.3		-203.3	
RMS	347.1		298.4		348		323.7		158.8	
1/2 P-P	675.5		720.6		803.9		762.2		295.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-125.6	439.5	-25.7	295.8	81.2	260.7	158.8	153.3	-20.7	189.9
2nd	72.5	7.1	71	-23.2	94.7	-29	100.8	-35.1	90	28.2
3rd	-31	-126.3	-84.2	-139.2	-99.9	-183.5	-112.5	-159.5	15.3	-5.2
4th	-32.2	13.2	-83.3	87.3	-123.8	124.5	-144	140	-17.5	-34.5
5th	18.4	58.7	-2.6	183.9	-18.6	276	-35.7	252.7	48.9	-3.6
6th	19.5	-22.3	-13.5	-17.1	-28.2	-14.5	-32.1	-4.3	2.4	-12.3
7th	11.4	-1.2	25.6	13.1	16.5	16.2	-22.9	8.6	-6.7	3.9
8th	3.7	6.5	1	-2.1	1.9	-4.5	1.8	-3.4	-2.7	2.3
9th	-15.3	-7.8	-6.8	7	-0.1	3.7	10	0.7	2.2	0.5
10th	-8.1	-17.7	-3.4	-0.7	-5.2	-3.9	-0.2	0.6	1.7	-2.2
11th	18.8	8.7	19.3	4.2	7.2	0.8	-11	-4.1	-1.8	0
12th	33.6	16.1	50	13.6	22.7	3.3	-19.7	-6.4	-0.6	-3.9
13th	-12.8	4.8	-13.4	20	-13.2	7.9	2.7	-1.8	4.1	-6.2
14th	-1.5	0.8	-3.8	-6.7	-4.1	0.6	2.8	-2.1	-7.9	5.5
15th	-0.6	0	-3	-5	3.1	13.9	-0.9	-2.1	1	5.7
16th	-0.1	0.8	-4	6.3	-9.5	-2.7	-0.8	2.8	1.4	2
17th	-2	-1.2	2	1.2	5.1	1.4	1	0.1	4.1	3.9
18th	1.6	-2.8	-1.2	0.9	-2.6	6.2	-0.2	1.4	1.3	-0.8
19th	-1.3	-0.9	1.2	-1.9	0.3	1.9	4	-2.5	-1.5	-3.2
20th	-0.1	-7.8	0.5	4.1	10.1	5.9	1.2	10.3	1.8	-1.1

D-798

RUN 41   PT 15

V/OR = 0.029   ALFS,U = 10.00   CLRH/S = 0.078900   CTH/S = 0.080226
VKTS = 11.6   MTIP = 0.605   CXRH/S = -0.014543   CP/S = 0.005099

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	197.2		43.3		60.1		89.2		74.1	
RMS	58.7		32.7		25.8		96.3		38.4	
1/2 P-P	117.6		70.9		54.2		159.6		77.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-27.8	65.1	-27.1	18.4	-26.1	-3.7	-116.3	-17.8	-9.7	-3.6
2nd	6.7	7.9	1.1	1.3	-1.4	-1.7	-60	-14.6	-46.9	-0.4
3rd	-9.6	-1.1	-10.8	7.5	-13.1	11.4	-12.3	21.9	-18.6	3.7
4th	-12.9	-11.6	-13.8	-5.6	-13.8	-4	8.4	7.1	9.6	-0.8
5th	13.6	-8.4	7.5	-6.9	3.3	-2.5	-3.1	2.4	8.6	-0.7
6th	1.3	-1.1	-0.1	-1.3	-1.3	-1.3	1	1.2	3.7	-0.3
7th	-4.1	-7.1	-3.1	-5.3	-0.6	-3.2	0.2	0.4	-3.5	0.2
8th	19.2	-14.6	10.7	-13.3	3.8	-4.2	4.3	-2.8	0	-2.8
9th	-0.2	-3.9	-0.5	-1.6	-0.2	1.6	-0.1	-1.5	-0.6	-0.9
10th	-7.3	2.2	-4.2	3.2	-0.7	1.8	-2.9	2.1	2.3	-1.3
11th	-15.5	-0.6	-9.5	2.6	0.9	0	-5.7	2	4.8	-0.9
12th	-2	3.7	-0.5	2.2	0.6	-0.9	-0.2	0.8	0	0
13th	-3.2	3.1	-1.4	0.9	0.4	-2	-0.5	-0.9	0.1	1.1
14th	0.9	-0.6	0	-0.6	-0.4	-0.6	-0.4	0	0	-0.4
15th	2.2	-1.6	0.8	-1.3	-0.7	0.3	-0.7	0.8	0.5	-1.8
16th	-0.4	1.7	0.6	0.6	0	-0.6	-0.5	-1.1	0.7	1.4
17th	0.4	0.7	0.3	0.9	-0.3	0.2	-0.5	-0.7	0.3	1.6
18th	0.8	-1.7	0	-0.5	-0.1	1.3	0	0.7	0.2	0.2
19th	0.9	0.6	-0.4	-0.2	-0.2	0.4	0.2	0.1	-1.3	-0.6
20th	-0.1	-1.5	-0.2	0.4	0.5	1	0	-0.6	0.3	1.2

D-799

RUN 41   PT 15

V/OR = 0.029   ALFS,U = 10.00   CLRH/S = 0.078900   CTH/S = 0.080226
VKTS = 11.6   MTIP = 0.605   CXRH/S = -0.014543   CP/S = 0.005099

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	48.5		668.3		191.4		10079.1		-237.4	
RMS	324.4		245.4		261.4		239.9		135.6	
1/2 P-P	628		620.1		628.1		506.3		246.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-109	433.1	-20.6	293	67.2	257.3	131.9	161.9	-0.4	178.3
2nd	24.1	1.9	20.3	-11.9	30.9	-11.4	35.3	-13.1	53.8	19.5
3rd	13.3	-81.6	-10.4	-79.7	-16.6	-95.1	-26.5	-80	13.9	-16.3
4th	-4.8	0.9	-24.7	18	-37.3	23.1	-49.9	25.5	-5.8	-27.7
5th	-25.3	27.1	-80.2	124	-126.3	187.2	-129.5	200.6	1.7	12.5
6th	10.2	3.7	-7.2	-3.6	-18	-8.6	-23.7	-12.3	3.4	5.3
7th	-9.3	0.2	-0.8	6.1	2.6	6.3	1.9	-0.6	-4.4	0.9
8th	2.4	3.9	-9	17	-7.5	10.8	4.9	-6.8	6.4	-3.2
9th	-11.2	-16.4	-8.2	-5.7	-0.9	-1.1	7.2	7.3	-0.7	-1.2
10th	3.5	-14.6	5.6	-13.9	0.5	-4	-5.7	12	-1.3	-0.8
11th	31.8	18.3	44	5.5	12.5	4.6	-27	-4.1	2.2	0.6
12th	4.4	3	7.5	-2.2	4.1	1.6	-2.1	1.4	-2.2	-1
13th	-13.6	-6.6	-25.2	-8	-20.4	-2	4.8	1.4	-2	2
14th	1.2	0.7	-0.5	-0.9	0	-2.8	-1.2	-0.1	3.6	1.4
15th	0.1	0.2	4.2	-2.5	7.4	-6.4	-0.1	-0.3	2.5	0.4
16th	0.2	-0.3	-6	-0.9	-5.2	2.3	-0.6	-0.7	-2.5	0.2
17th	-1.1	-3.3	0.9	0.6	4.5	3.6	1	0.8	1.5	-0.5
18th	1.7	-1	0.7	2.2	-1	1	-0.6	3.5	-1.2	-0.7
19th	3.1	-0.5	-0.2	1	-1.4	2.6	-2.7	2.6	0.6	0.6
20th	4.4	-2.1	-1	2.3	-5.1	5.7	-2.4	6.9	0.3	-1.7

D-800

RUN 41   PT 16

V/OR = 0.019   ALFS,U = 10.00   CLRH/S = 0.079762   CTH/S = 0.081095
VKTS = 7.5   MTIP = 0.609   CXRH/S = -0.014652   CP/S = 0.005827

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	198.9		41.8		57.6		58.3		82.6	
RMS	58.4		33.2		23.5		70.4		34.3	
1/2 P-P	144.9		81.4		74.5		129.9		76.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-34	60.1	-26	18.5	-20	-1.6	-92.8	-13	-27.7	0.6
2nd	2.7	8.3	3.2	4.3	2.7	3.1	-7.4	5.7	-33.1	2.5
3rd	1.4	-2.6	-4.9	2.2	-9.4	3.5	-12.4	15.5	6.3	3.2
4th	-0.1	-7.3	-2	-4.8	-1.9	-4.4	2.7	4.4	11.7	1.9
5th	-13.1	8.3	-12.6	9.9	-12.2	9.1	12.9	-8.3	-3.6	-1.7
6th	-4.1	-6.3	-4.9	-4.7	-3.9	-2.6	4.1	2.7	-4.4	-1.9
7th	19.4	-0.8	14.7	-3.8	7.8	-1.8	-1.8	3	6.6	-3.3
8th	-0.4	9.5	1.5	6.8	0.4	3.6	-0.4	2.6	1.4	0.5
9th	2.4	0.4	1	0.4	-1.2	1.1	0.8	0.6	-0.3	-0.8
10th	-5.3	2.2	-3.1	2.5	-0.7	0.5	-2.3	1.9	1.9	-1.5
11th	-11.3	-14.5	-8.4	-6.1	1.6	1.6	-5.2	-3.2	4.7	2.5
12th	-3.2	2.4	-1.1	1.4	1.2	-0.7	0	0.2	-0.1	-0.1
13th	-1	0.7	0.9	0.4	1.3	0.3	1.2	-0.3	-1.1	0.5
14th	1.4	-2.2	0.4	-0.5	-0.1	1.5	0.2	0.8	-0.2	-0.4
15th	-2.5	-3.8	-1.4	-0.1	1.1	1.3	1.6	0.9	-2	-0.6
16th	3.4	-1.9	0.3	-1.1	-1.4	1.1	-0.7	1.4	0.1	-0.9
17th	1	0.5	0.4	-0.5	-0.5	-0.4	-0.6	0	-0.2	-0.6
18th	0	0.2	-0.1	-0.4	0.4	0.1	0	0.1	-0.4	-0.2
19th	0.5	-0.4	0.1	0	0	0.7	-0.1	0	0	0.3
20th	0.4	-3.2	-0.3	-0.3	0.5	1.7	-0.2	-0.3	1	1.3

RUN 41   PT 16

V/OR = 0.019   ALFS,U = 10.00   CLRH/S = 0.079762   CTH/S = 0.081095
VKTS = 7.5   MTIP = 0.609   CXRH/S = -0.014652   CP/S = 0.005827

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
MEAN	71.4		711.5		244.3		10172.1		-239.6	
RMS	287.3		194.9		175.4		146.6		107.8	
1/2 P-P	557.5		471.2		417.3		327.4		194.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-157.6	362.5	-64.5	240.8	11.9	206.3	69.7	126	-5.6	146.2
2nd	-21	-7.2	-26	-9.2	-30.4	-11.1	-25.8	-13.7	19.4	8.5
3rd	59.5	-37	41.6	-39	40.1	-46.5	27.2	-38.9	14.5	-9.2
4th	8.6	1	13.5	12.8	17.7	18.8	15.3	18.9	0.5	-16.1
5th	-13.2	-18.2	-63.5	-5.2	-96.8	-1.8	-117	14.8	-13.4	-3.3
6th	6.7	4.6	-4.4	0.4	-13.6	-4.5	-24.5	-12.5	-0.7	2.7
7th	-9.4	-3.5	-15.9	-2.1	-10.2	-4	13.7	-10.2	-1.1	-0.3
8th	-2.2	2.8	-2	-6.4	-0.9	-7.3	1.7	-0.4	0.2	1.3
9th	10.6	-14.3	2.7	-10.3	0.3	-2.2	-5.9	8.6	1.4	-3.4
10th	15.3	-4.9	14.6	-9	4	-1.9	-11.8	6.2	0.6	0.3
11th	-2.1	27.6	17.4	32.6	0.1	9.1	-10.8	-21.5	-1.3	-1.8
12th	-2.6	-7	-3.1	-9.5	-4	-2.2	0.2	4.8	0.8	0.8
13th	8.3	-5.5	12.4	-14.6	8.4	-9.1	-1.5	3.9	-1.5	-2.8
14th	-0.5	-0.3	1.1	0.4	2	-2.1	0.1	1.2	2.3	-0.4
15th	1.2	-0.6	3.1	5.6	-4.4	3	-0.2	2	-1.4	-1.3
16th	0.1	0.9	1.4	1.1	4.4	-4.4	-1.6	0.8	4.2	0.6
17th	0.3	2.7	-1.5	-0.5	-1.3	-2.2	-1.1	-1	-2	-1.6
18th	-1	2	0.5	-0.2	0.4	-1.1	0.5	-1.3	1.3	1.1
19th	0	1.4	-1.1	-0.4	-2	-2.6	-1.5	-0.9	-1.5	1.6
20th	-11.3	3	4.2	-0.1	10	-14.9	11.5	-4.9	0.8	-0.5

D-802

RUN 41   PT 17

V/OR = 0.000   ALFS,U = 10.00   CLRH/S = 0.080442   CTH/S = 0.081806
VKTS = 0.0   MTIP = 0.606   CXRH/S = -0.014889   CP/S = 0.006207

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	211.1		54.7		66.7		49.4		91.6	
RMS	64		43.7		31.9		63.5		29.7	
1/2 P-P	181.8		137.4		101.8		150		76.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-23.7	48.1	-10.8	23	-6.2	11.9	-55.6	-16.5	-26.8	1.7
2nd	2.9	1.5	2.8	-2	0.2	-4.4	30.1	-32.3	3.6	-11.9
3rd	0.7	1.6	-4.8	4.3	-10.3	4.2	2.3	11.6	3.9	-1.7
4th	12.2	-7.8	9.8	-9.2	9.9	-9.8	-11.7	7.1	-1.5	7.1
5th	-15.3	26.5	-7.5	26.3	-4.9	22.1	7.8	-24.6	-6.9	-7.9
6th	-7.3	-12.6	-10.7	-9.3	-9.8	-5.7	9.7	4.3	-3.4	-6.3
7th	4.5	-17	-0.2	-13.9	-0.9	-7.3	2.7	1.5	-0.5	-6.5
8th	16.9	10.2	14.2	4.4	6.9	1.6	2.4	2.3	2.7	0.7
9th	9.2	6.2	7.3	2.4	1.6	1	3.6	1.7	-1.3	-0.5
10th	2.2	1.4	1.7	0.2	-1.1	0.6	0.6	0.6	-0.8	-0.7
11th	14.8	8.7	9.4	1.8	-1.8	-0.9	5.6	0.6	-4.4	0.1
12th	2.8	1	1.6	0.3	-0.2	-0.3	1.1	-0.4	-1.6	1.5
13th	1.3	1.7	1.2	0.6	-0.1	0	1.3	-0.2	-0.9	0.8
14th	0.8	1.9	0.7	0.5	0.1	-0.4	0.6	-0.2	-1.1	-0.1
15th	4.1	1.8	1.6	-0.3	-1.8	-0.6	-1.8	0.2	1.9	-1
16th	-0.5	5.2	1.3	1.2	-0.6	-2.8	-0.6	-2.3	1.6	0.1
17th	-1.5	3.2	0	0.8	0.2	-2.2	0.4	-1.1	0.8	-1.2
18th	-0.2	-0.8	-0.1	-0.3	0	0.5	0.6	0.5	0.6	-0.9
19th	2.2	-1.9	-0.1	-0.4	-1	1.6	0.1	0.6	-0.1	0.6
20th	-3.4	4	0.5	-0.3	0.6	-3	-0.5	1	1	-3.6

D-803

RUN 41   PT 17

V/OR = 0.000   ALFS,U = 10.00   CLRH/S = 0.080442   CTH/S = 0.081806
VKTS = 0.0   MTIP = 0.606   CXRH/S = -0.014889 CP/S = 0.006207

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	75.2		701.8		234.1		10102.8		-239.5	
RMS	215.6		167		159.3		148.1		79.5	
1/2 P-P	465.6		440.1		425.6		361.2		177.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-86.7	255.4	-42.5	161.9	-3.5	113.6	39.7	69.9	3.4	98.4
2nd	-10.8	7.7	-8.7	16.5	-5	31.2	-4.9	47.6	-10.3	9
3rd	52.4	-4.2	44	-10.6	50.5	-19.7	34.5	-13.9	10.8	-6.5
4th	0.7	15.3	16.6	16.2	26.1	19.8	30.4	12.7	15.2	-1.1
5th	3.1	-45.8	8.9	-73.1	16.2	-93.1	18.2	-69.7	-27.3	-5
6th	21.7	2.8	-5.9	2.1	-25	-0.6	-49.2	-12.6	8.1	-0.7
7th	9.2	14.4	-4.8	11.7	-17.8	0.8	-25.3	-24.3	1.5	1.7
8th	-7.9	-1.8	-16.5	-5	-9.3	-5.4	14.6	3.5	-0.6	-1.3
9th	-11.7	-6.3	-16	-6	-3.6	-2.7	16.2	4.8	-0.5	1.5
10th	3.9	1.7	1	-0.9	0.2	-1.7	0.2	-1.6	-2.6	2.2
11th	-16.7	-0.1	-27.9	2.5	-4.1	4.7	19.6	4.1	-0.9	0.7
12th	-0.8	-2.9	-2.8	-1.7	-0.4	0.1	2.5	3.1	1.6	-0.4
13th	0.6	-4.7	-2.8	-6.6	0	-3.1	2.7	2.8	0.1	-0.2
14th	-0.5	-0.7	-1.8	-2.3	0.4	0	1.9	0.2	0.2	-0.6
15th	-0.4	0.3	-1.9	1.9	5.9	1.3	-0.4	-1.1	1.7	1
16th	-1.3	0.3	0	-6	4.3	0.7	2.6	-4.5	-0.9	-2.2
17th	-1.4	0.8	-0.5	-2.5	0.7	2.2	1	-5	2	-0.6
18th	-1.5	1.7	0.5	0.4	-0.7	-2.5	1.3	-2.6	-0.1	0.9
19th	-1.1	1.5	-1.2	0.8	-0.3	-5.9	-1.1	-1	1	1.4
20th	-2.1	-1.4	0.3	-1.9	3.7	6.5	3.7	-7.7	-1.3	0.6

D-804

RUN 41 PT 18

V/OR = 0.010	ALFS,U = 10.00	CLRH/S = 0.077350	CTH/S = 0.078567
VKTS = 4.2	MTIP = 0.606	CXRH/S = -0.013777	CP/S = 0.006219

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	210.5		56.8		69.2		55.5		97.7	
RMS	60.2		43.1		31.1		54.5		35.3	
1/2 P-P	210.9		158.6		96.8		119.9		89.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-35.8	16.7	-20.3	5.9	-10.9	1.4	-51.8	-5.9	-31.5	4.2
2nd	2.8	-0.5	7.6	-1.7	10.6	-1.4	21	1	-3.1	-11.5
3rd	5.2	11.7	9.3	12.2	10	13.8	29.7	19	19.5	-2.6
4th	-5.6	7.9	-3.3	10.7	-3.3	11.9	4.1	-2.1	5	-8.5
5th	-18.9	3.6	-16.4	8.9	-13.6	10	16.6	-9	-2.4	-7.2
6th	-7.4	7	-4.2	7.4	-2.2	6.4	3	-2.9	-3.4	-1.2
7th	-12.7	5.2	-8.2	7.3	-4.1	5.8	2.7	-3.3	-4.1	6.9
8th	-14.3	-16.6	-12.8	-8.7	-6.1	-1.6	-0.4	-3.6	-6.5	0.8
9th	-5.5	-7.2	-4.9	-2.9	-1.2	0.2	-0.3	-2.8	-1.5	3.3
10th	-6.7	-6.2	-5.6	-2.3	-0.8	0.7	-2.5	-2.2	0.7	3.7
11th	11.5	-27	0.6	-16.1	-2.1	2.8	-0.4	-10.3	1	9.9
12th	0.7	4.9	0.9	2.1	-0.8	-0.7	0	-0.1	0.7	1.8
13th	1.6	-0.8	0	-1.2	-1	0.4	-0.4	-0.5	1.7	1.1
14th	-1.8	-0.3	-0.4	0.4	0.4	0.4	0.4	-0.1	0.1	0.5
15th	-1.8	-2.5	-1.2	-0.3	0.7	0.7	0.7	0.7	-0.4	-1.4
16th	3.2	-1.6	0.4	-0.9	-1.1	0.9	-1.1	1.2	0.8	-1.5
17th	1	0.6	0.5	0	-0.6	0	-1.1	0.4	0.8	-0.9
18th	1.1	0.5	0.2	0.1	-0.4	0.1	-0.6	0.5	-0.5	-0.8
19th	0.6	0.2	0.2	0.1	-0.4	0.1	0	0.5	-1.1	-0.8
20th	-0.3	0	0	-0.1	0.2	-0.2	0.1	0.1	-1.2	-0.9

D-805

RUN 41   PT 18

V/OR = 0.010   ALFS,U = 10.00   CLRH/S = 0.077350   CTH/S = 0.078567
VKTS = 4.2   MTIP = 0.606   CXRH/S = -0.013777   CP/S = 0.006219

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	84		705.8		231		10105.7		-242.4	
RMS	218.9		170.6		146.8		126.4		64	
1/2 P-P	451.3		462.9		396.3		352.5		145.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-178.5	215.9	-99.3	149.1	-43	112.3	9.3	56.7	-7.5	76.4
2nd	-20.6	-12.2	-26.4	-1	-41.3	9.4	-41.2	11.2	-10.1	3.5
3rd	-40.3	-28.9	-47.4	-14.9	-60	-16.1	-41.3	-3.4	-13.6	-4.5
4th	7.2	-1	15.2	27.8	20.4	42.2	18.9	55.3	-13.1	1.4
5th	17.2	-19.5	25.4	-6	34.3	-0.4	24.3	16.7	-5.7	-15.7
6th	-5	-9.6	-5.5	-13.5	-4.9	-15.4	-5.3	-5.9	-7	2.8
7th	2.7	-21.7	2.7	-6.1	1.6	10.8	-5.1	33.8	-1.6	0.8
8th	0.4	-1.1	10.8	11.7	5	9.6	-9	0.4	-2.3	-0.6
9th	6.3	4.2	7	8.5	-0.8	4.5	-9.5	-2	1.7	-1.2
10th	14.8	7.8	17.9	8.9	3.9	4.2	-14.3	-5.1	1	-0.2
11th	-11	29.8	-4.4	53.6	1.6	10.3	7.4	-31.5	3.2	-0.2
12th	0.1	1.9	1.5	0.4	3.7	4.4	1.2	1.9	0.7	1.9
13th	-6.3	-4.3	-11.9	-1.5	-6	-2.7	3.4	-0.2	-1	2.2
14th	-0.4	0.7	1.1	1.5	-0.2	0.6	0.9	-1.1	-0.6	0.6
15th	0.5	0	1.8	1.3	-2.3	-2.2	-0.6	0.1	0.7	0.8
16th	0.2	0.7	-2.3	3.8	0.5	-2.9	-1.9	0.3	1.6	1.1
17th	0.9	-0.1	-1.5	-0.1	0.4	-0.5	-1.1	0.8	-2	-0.6
18th	1	-0.3	-2.4	0.3	-0.3	0.6	-2.7	1.2	0.2	2.1
19th	-1	1.7	0	-1.9	1	-5.9	-1.1	-1.7	-0.1	1.1
20th	-4.9	4.6	1.5	-3.4	1.8	-12.3	2	-7.5	0.7	0.3

D-806

RUN 31   PT 17

V/OR = 0.251	ALFS,U = 10.01	CLRH/S = 0.081342	CTH/S = 0.082746
VKTS = 100.1	MTIP = 0.606	CXRH/S =-0.015201	CP/S = -0.001304

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	148.2		-26.5		2355.6		-123.7		-63.7	
RMS	60.8		75.7		3.4		90.8		23.2	
1/2 P-P	161.8		137.4		0		166.3		49.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	26	-22.3	36.1	-70.1	0	0	49.3	-90.9	-6.2	-20.4
2nd	-9.8	29.2	-13.3	37.4	0	0	-39.8	60.1	-8.6	19
3rd	18.3	-43.1	6.9	-41.7	0	0	14.4	6.4	3	1.9
4th	19.2	-11.1	14.5	-15.2	0	0	-1.1	-3	2.4	-0.4
5th	21	-7.9	17.3	-12.5	0	0	-10.6	1.5	-0.6	-0.9
6th	12.6	0.4	8.9	-2.4	0	0	-1.9	-4.3	1.8	-2.2
7th	17.8	-5.7	12.1	-6.9	0	0	-0.7	-2.6	2.5	-2.7
8th	1.6	27.2	5	18.8	0	0	-1.3	3.3	-0.1	4.3
9th	-4.6	11.4	0.4	6.5	0	0	-2	2.7	0.9	-0.6
10th	-2.6	7.1	0.2	4.3	0	0	-1	3	0.6	-1.8
11th	-17.9	10	-7.3	8.8	0	0	-5.5	5.3	3.3	-3.1
12th	-2.9	-7.8	-2.8	-3.7	0	0	-2.3	-1.7	1.8	1.1
13th	0.3	-7.5	-1.3	-3.4	0	0	-1.5	0.2	1.1	-0.2
14th	-1.3	-4	-1.4	-1.5	0	0	-0.4	0.7	0	-0.1
15th	4.5	-2.5	0.3	-1.3	0	0	-2.3	1.6	1.9	-0.6
16th	4.5	-2.7	0.3	-1.5	0	0	-2.4	1.8	2	-0.6
17th	2.3	0.4	-0.2	0.3	0	0	-0.7	0.1	0.6	0.3
18th	3.9	0.6	0.7	-0.3	0	0	-1.2	1.5	0.5	0.1
19th	5.6	1.1	-0.1	-0.2	0	0	0	1	-2	0.4
20th	0.9	4.9	0.5	-0.3	0	0	0.4	1.1	-0.2	-2.8

D-807

RUN 31   PT 17

V/OR = 0.251	ALFS,U = 10.01	CLRH/S = 0.081342	CTH/S = 0.082746
VKTS = 100.1	MTIP = 0.606	CXRH/S = -0.015201	CP/S = -0.001304

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-158.5		620.2		383.5		1444.2		-2.3	
RMS	399.2		409.9		499.7		406.9		126.3	
1/2 P-P	626.8		675.2		815.9		687		255.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-411.3	373.5	-434.1	341.5	-503.8	429.3	-429.7	300.5	68.6	142.7
2nd	64.2	-28	103.5	-73.7	153.5	-141.7	132	-143	-0.5	8.7
3rd	-18.9	54	-48.9	88.5	-47.6	100.1	-45	47.2	34.7	-60.1
4th	6.2	6.5	1	0.9	10.9	-6.8	17.6	-38.1	-6.4	14.6
5th	-20.5	15.8	-6.1	-27.8	14	-53.6	33	-94.8	4.7	25.8
6th	3.5	11.7	-11.1	14.1	-6.3	12.8	-8.1	-0.3	22.4	11.2
7th	5.2	-0.5	-5.9	6.9	-1.2	3.1	6.7	-8.1	-1.3	-6.8
8th	-3.9	4.3	-5.5	-15.9	3.9	-14.2	6.7	8.7	-0.7	9.3
9th	-5.8	13.4	-1.4	-0.1	-1.5	-4.4	-2.3	-4.4	-3.6	2.5
10th	1.2	-8.5	-0.1	-11.9	0	-1.1	1.1	11.7	0.2	-3.6
11th	23.9	-14.7	29.1	-31.4	4.9	-7.5	-20.1	20.5	-1.9	-0.9
12th	-5	-0.1	-3.8	6.6	-7.7	-0.4	0.8	-3.9	-1.2	2.4
13th	-8.5	-4.6	-16.3	3.9	-15.4	-3.1	4.8	-1.3	2.2	-1.3
14th	1.6	-1.7	2.2	-2.3	-2.8	-3.8	0.5	-0.7	-1.2	5.8
15th	-0.4	-2.5	-0.3	-4.2	5.3	-7.5	0.1	-0.3	7.4	-0.3
16th	-1.6	-0.4	-2.2	2.2	3.7	-2.8	0	-0.3	-3.3	4.8
17th	0.4	-1.7	-0.3	0.9	3.8	3.6	-0.8	0.1	3.9	-2.3
18th	-3.2	-0.1	-2.6	-0.3	6.3	-2.2	-0.7	-1.7	-5.7	1.5
19th	-3	6.4	-4.2	-2.5	2.5	-11.4	-7.4	-5.8	0.4	0.9
20th	6.1	-6.4	-4.3	1.9	-0.4	18.3	-7.9	3.3	-3.9	2.2

D-808

RUN 31　　PT 18

	V/OR = 0.201	ALFS,U = 10.01	CLRH/S = 0.082032	CTH/S = 0.083472
	VKTS = 80.0	MTIP = 0.605	CXRH/S = -0.015470	CP/S = -0.000578

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	159.3		-15.4		2077.9		-117		-61.4	
RMS	45.8		54.2		215.4		70.5		19	
1/2 P-P	136		106.7		472.5		127.1		44.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	5.6	-5.7	15	-47.2	28.3	-70.4	26.4	-61.6	-4	-15.2
2nd	-13.3	15	-21.2	21.4	8.6	64.9	-55.3	46.7	-12.6	13.1
3rd	12.8	-35.4	1.4	-34.1	-6.5	-8.4	-1.1	7.3	0	-0.1
4th	6.8	-12.1	2.7	-13.2	-2.1	-0.4	6.1	0.8	4.9	-0.8
5th	11.2	-9.4	8.1	-11.9	17.7	21.3	-1.7	0.7	0.3	-0.6
6th	10.9	-2.8	7.6	-5.2	4	-11.5	-0.8	-2.7	-1.7	-1
7th	25.9	-4	18.3	-5.8	23.8	21.7	0.2	-1.6	3.1	-1.9
8th	-6.7	25.5	-0.8	18.2	-20.9	2.1	-1.2	2.6	-0.8	3.4
9th	-4.2	5.4	-1.3	4	-10.7	-23.7	-0.4	0.2	-0.8	-0.1
10th	-0.9	0.6	-0.2	0.3	1.1	16.3	0.4	-0.9	-1.1	1
11th	-15.8	-4.3	-8.6	0.5	-96.9	112.1	-4.8	-1	3	1.7
12th	-1.5	-6.1	-1.8	-3.1	-10	2.9	-0.9	-2.6	0.2	1.9
13th	0.5	-0.2	-0.8	-0.3	-14.6	-20	-0.9	-1.7	0.2	0.9
14th	-5.4	1.8	-0.6	1.1	-16.8	-11.6	1.6	-2.7	-2.3	2.3
15th	-5.6	3.6	-0.5	2	-31.7	-16.3	1.6	-3.2	-2.1	2.8
16th	-1.7	-2.7	-1.1	-0.3	-7.5	-12.9	1.2	0.4	-1.4	0.3
17th	0.6	-1.8	-0.1	-0.8	-18.6	11.9	0	1	-1	-0.2
18th	1	-0.9	-0.2	-0.5	-7.8	21.2	0.3	0.8	-0.9	0.5
19th	2.3	-0.6	-0.3	-0.1	23.2	-1	0.6	0.1	-1.5	1.7
20th	-0.9	-0.3	0.4	-0.1	18.5	-2.5	-0.1	-0.3	0.8	0.9

D-809

RUN 31 PT 18

V/OR = 0.201 ALFS,U = 10.01 CLRH/S = 0.082032 CTH/S = 0.083472
VKTS = 80.0 MTIP = 0.605 CXRH/S = -0.015470 CP/S = -0.000578

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-129.7		633.3		384.4		1434.1		-8.3	
RMS	371.5		335.9		376.9		303		120.4	
1/2 P-P	575		588.7		668.1		544.7		241.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-341.9	390.4	-329.5	314.2	-350.5	340.5	-291	223.6	40.4	144.8
2nd	58.9	-24.5	86.9	-48.5	141.5	-107.2	127.9	-117	8.4	1.7
3rd	10.9	37.8	-7.4	58.7	0.4	64.4	-7.2	24.6	43.4	-49.9
4th	-4	-1.5	-19.5	-7.8	-14.6	-21.2	-13.7	-37.9	-14.5	-7.3
5th	-12.5	20.3	-17.5	-34.3	-16.7	-80.1	-7.9	-120	-1.7	22.8
6th	2.4	8.5	-6.7	21	-10.8	28.6	-5.9	15.2	8	12.1
7th	-3	0.9	-13.6	5.3	-6	2.5	17.6	-12.3	0.8	-7.4
8th	-0.4	4.9	0.8	-16.1	0.6	-10	-3.9	6.7	-5.6	10.6
9th	3.4	11.4	4.3	1	1.4	-0.1	-4.7	-5.4	-4.1	1.1
10th	4.3	-13.5	0.9	-10.9	-0.6	-0.8	-1.8	6.1	2.7	5.2
11th	10.4	-7.2	20.2	-10	1.4	-2.7	-15.8	2.9	-1.7	-3.6
12th	-2.4	11.6	1	18	-1.9	8.6	-2.7	-11.1	-1.4	7.1
13th	-9.2	-2.1	-18.1	5.6	-12.2	5.7	2.5	-2.5	6.1	-1.6
14th	-1.5	-1.8	0.6	-6.5	-3.5	0.1	1	-0.1	-14.2	-5.1
15th	-2.2	-2.2	-4.4	-10.3	-8.3	-1.1	0.8	-1.1	-10.1	1.2
16th	0.3	-0.3	5.6	2.7	1.6	0.9	0.1	1.6	0.8	6.2
17th	0.2	-1	2.4	2.3	3.1	-1.4	-0.4	1.6	-1	3.2
18th	0.1	2.9	0.3	-0.2	-0.2	-5	-1.2	-0.4	2.3	3.8
19th	5	2.7	-4.4	1.6	-8.1	-0.7	-8.7	2.3	5.6	-3.4
20th	-7.4	-6.2	3.4	0.3	13.5	1.8	10.9	3.1	-4.4	-1.3

D-810

RUN 31   PT 19

V/OR = 0.151   ALFS,U = 10.01   CLRH/S = 0.082830   CTH/S = 0.084241
VKTS = 60.5   MTIP = 0.606   CXRH/S = -0.015370   CP/S = 0.000408

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	165.2		-9.1		2351.6		-99.1		-8.1	
RMS	33.2		36.4		52.4		55.7		17.2	
1/2 P-P	81.9		76.3		353.6		96.6		42	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-12.3	11.5	-6.2	-24.2	-8	0.1	3.9	-40.2	-6.4	-9.7
2nd	-13.6	5.1	-26.5	8.8	-7.9	0.3	-60.3	26.4	-17.1	8.3
3rd	8.5	-26.8	-2.7	-24.9	-7.8	0.4	-11.9	-0.8	-0.4	-1.6
4th	-0.8	-15.2	-3.6	-13.9	-7.6	0.5	3.7	-0.4	4.2	-0.5
5th	6.2	-8.8	3.1	-11.4	-7.4	0.7	0.3	2.8	-2.1	2.3
6th	8.1	-3.1	7.1	-3.9	-7.1	0.8	-3.9	-1.8	-2.7	-0.4
7th	13.8	0.3	9.9	-0.7	-6.8	0.9	-1.5	-0.4	2.9	-1.9
8th	-7.2	-1.2	-4.9	-0.6	-6.4	1.1	-2	-0.5	-1.3	-2
9th	-2.6	-1.9	-2.4	-0.6	-6	1.2	-1.2	-1.1	-1	0.8
10th	-3.7	0.9	-1.8	0.8	-5.6	1.3	-2	0.6	0.8	0.3
11th	-8.6	-11.2	-6	-3.2	-5.1	1.4	-3.7	-1.7	3	1.3
12th	0.6	-3.6	-0.4	-1.6	-4.6	1.4	-0.8	-0.5	0.2	0.1
13th	2.5	0.2	-0.2	-0.1	-4.1	1.5	-1.6	0.1	1.2	0.8
14th	-0.2	-1.2	0	-0.5	-3.6	1.6	0.2	0.2	0.2	0.1
15th	-1.2	1.3	0.3	0.2	-3	1.6	0.3	-0.9	-0.5	0.4
16th	-3.6	1.3	-0.9	1.3	-2.5	1.5	1.6	-1.5	-1.6	1.3
17th	-1.2	0.2	-0.1	0.4	-2	1.5	0.6	-0.5	-0.4	0.5
18th	0.6	1.1	0	-0.1	-1.5	1.3	0.1	0	-0.5	-0.2
19th	3.3	0.5	0.1	-0.2	-1	1.1	0.3	-0.1	-2	0.7
20th	1.8	2.1	0.1	-0.5	-0.6	0.8	0.4	-0.1	-1.8	-0.2

D-811

RUN 31   PT 19

V/OR = 0.151   ALFS,U = 10.01   CLRH/S = 0.082830   CTH/S = 0.084241
VKTS = 60.5   MTIP = 0.606   CXRH/S =-0.015370   CP/S = 0.000408

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-90.1		660.6		385.2		1426.5		-27.9	
RMS	341.3		266.5		272		215.9		118.7	
1/2 P-P	552.6		514		542		419.2		235.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-281.2	380.9	-220	280.3	-192.6	267.4	-143.9	161.2	10.9	153.6
2nd	61	-29.2	83.9	-49	144.6	-91.4	139.6	-102	21	-5.6
3rd	37.7	35	24.3	41.3	33.5	38.9	19.7	4.4	42	-28.3
4th	-1.9	-4.5	-13.3	-19.4	-11.8	-36.2	-23.6	-56.1	-8.1	-15
5th	-3.8	30.7	-6.1	-23.9	-2	-65.1	-5.7	-103.5	-2.5	25.5
6th	3.3	1.6	-3.8	17.1	-6.3	25.6	-6	20.5	-0.8	-0.8
7th	-0.4	1.5	-4.6	0.7	1.3	-2.8	13.1	-7.4	0.4	-6
8th	6.3	11.8	9.8	5.8	3.3	1.3	-9.6	-7.6	-9.2	3.6
9th	5.2	11.4	7.8	6.8	3.7	2.3	-3.6	-5.1	3.9	2.8
10th	0.3	-8.1	2.7	-7.6	0.9	-1.7	-0.4	4	-1.1	-0.7
11th	8	-4.3	16.2	-0.2	2.1	-5.4	-9.3	-1.8	-0.4	-8.6
12th	-3.1	13.8	1.5	19.1	0.3	8	1.2	-8.9	-5.2	2.9
13th	-9.6	6.1	-14.3	15.7	-8.1	10.8	3.4	-4	11.6	4.2
14th	-0.8	-0.4	0.4	-1.6	0.1	-3.3	1.5	-0.2	-5.5	-4.1
15th	-2.2	0	-2.3	-1.7	-1.9	0.5	1.2	-1.1	-4.1	0.2
16th	1.7	-1	4.5	-3.9	-0.2	1	1.6	-0.8	0.7	-1.2
17th	0.2	-1.7	2.4	-0.1	1.8	1.6	1.3	0.2	-0.3	-1.9
18th	-0.1	2.2	-1.5	-0.5	0	-1.4	-1.8	-1.8	-2.8	2.1
19th	2.5	-1.3	-2.8	3.2	0.9	3.3	-5.4	4.2	0.4	0.7
20th	-9.4	-3.9	1.3	-0.3	17.4	-2.4	6.1	-2	-0.6	4

D-812

RUN 31   PT 20

V/OR = 0.125   ALFS,U = 10.01   CLRH/S = 0.082745   CTH/S = 0.084130
VKTS = 49.9   MTIP = 0.605   CXRH/S = -0.015215   CP/S = 0.001024

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	164.2		-8.6		2352.2		-91.1		-40.7	
RMS	51		44.7		50.8		58.7		19.7	
1/2 P-P	161.3		123.7		506.4		110.8		60.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-22	22.2	-19.6	-12.9	5.8	3.8	-17.8	-26.7	-7.4	-7.1
2nd	-16.1	0	-30.7	3.5	-2.9	-6.3	-64.2	25.4	-16.5	6.1
3rd	-3.7	-26.1	-14.4	-21.4	-1	6.9	-21.3	0.5	2	-4.2
4th	-3.4	-14.7	-6.8	-12.5	4.6	-5.2	3.4	-0.9	4.7	-3.5
5th	-11.1	-17.7	-14.5	-16.6	-6.7	1.9	14.5	9.1	1.4	1.4
6th	7.6	-19.9	3.7	-16.7	6.6	2	-0.5	6.1	-0.8	-3.6
7th	13.8	-20	7.5	-16.5	-4.5	-5.2	1	1.6	2.8	-6.8
8th	16.2	0	11.3	-3.2	1	6.9	2.7	-0.5	2.6	-0.5
9th	4.5	-1.4	1.8	-1.7	2.8	-6.4	1.4	-1.5	0.4	2.5
10th	-1.9	-2.6	-1.4	-1.2	-5.7	3.9	-1.8	-1	2.7	1.5
11th	-5.7	-30.8	-7.8	-14.9	7	-0.3	-5.5	-9.2	5.2	7.2
12th	7	-3.2	2.1	-2.7	-6.1	-3.4	-0.2	-1	0.3	1
13th	4.8	-0.7	1.8	0.1	3.5	6.1	-0.4	0.4	0.6	0.4
14th	3.8	2.7	2.1	0.2	0.1	-7.1	-1.4	-1	1.6	1.8
15th	3.2	18.2	3.5	4.5	-3.7	6.2	-4.7	-6.9	4.4	7.2
16th	-9.4	7.2	-1.3	4.2	6.5	-3.6	3.1	-5.6	-1.2	4.1
17th	-3.7	0.7	-0.8	0.6	-7.7	-0.1	1.5	-1.4	-0.8	0.5
18th	-1.4	-0.2	-0.1	0.6	7	4	0.8	-0.6	0.1	0.3
19th	-0.7	-4.4	0.1	0.2	-4.4	-7.4	0.9	0	1.6	1.7
20th	7.7	-4.1	-1.1	-0.6	0.3	9.3	1.6	-0.1	-3.2	2.6

D-813

RUN 31 PT 20

V/OR = 0.125 ALFS,U = 10.01 CLRH/S = 0.082745 CTH/S = 0.084130
VKTS = 49.9 MTIP = 0.605 CXRH/S = -0.015215 CP/S = 0.001024

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-65.1		678.8		392.6		1414.6		-41.5	
RMS	326.9		240.9		238.6		192.5		116.9	
1/2 P-P	535.7		482.9		468.6		359.8		208.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-221	389.8	-137.4	278.6	-81.4	247.1	-47	143.1	-4.4	155.9
2nd	64.4	-48.1	91.6	-63.2	158.5	-101.1	153.7	-107.2	20.1	-17
3rd	66.7	3.1	56.2	3.1	70.7	-7	47.7	-29.7	25	-23.7
4th	14.4	1.8	0.1	-9.8	-3.2	-27.9	-20	-49.1	-2.3	-14.5
5th	19.8	26.8	-7.8	-11	-22.7	-40.2	-51.9	-74.9	2.7	8.3
6th	7.5	6.1	3.2	24	1.3	29.9	0.5	10.4	5.1	-6.9
7th	-4	10.1	-5.1	17.4	-2.1	8.5	10.4	-19.8	-4.4	0.9
8th	-0.4	8.8	-9	8.9	-6.6	5.5	10.2	-4.7	5.3	3.8
9th	10.5	3.7	4.7	4	0.8	3.6	-0.7	-0.5	5.2	2
10th	-0.2	-7.2	2.5	-3.4	-0.9	-0.9	-0.3	1.8	1.8	-1.2
11th	-9.1	15.7	8.1	36.8	-4	2.1	-3.9	-25.2	2.4	-3.1
12th	-12.5	0.9	-17.7	9.2	-6	1.8	8.1	-4.1	2.3	2.6
13th	5.1	0.7	9.4	1.7	11.7	-0.5	-2.4	1.1	6.8	-6.8
14th	-1.6	-1.3	-4.1	-4.9	2.7	-3	1.6	-0.3	-12.8	2.2
15th	-1.2	1.6	-6.2	-2.6	10.2	21.3	-0.5	-3.8	3.2	9.6
16th	1.5	-0.5	2.9	-14.6	-6.9	1.7	2.9	-4.5	1.8	-12.5
17th	-1.9	0.3	1.3	-2.3	-3.7	0.3	1.2	-2.9	-3.4	1.7
18th	-0.1	2.1	-1.1	-2.7	-4.4	-4.1	0	-2.8	2.4	-0.1
19th	-1.6	-6.9	4.2	5.5	3.9	5.4	6.7	8.7	-0.5	-4.3
20th	-12.4	8.1	2.8	0.1	13.9	-29.4	1.4	-6.1	2.5	5.8

D-814

RUN 31   PT 21

V/OR = 0.100   ALFS,U = 10.01   CLRH/S = 0.082621   CTH/S = 0.083976
VKTS = 40.1   MTIP = 0.607   CXRH/S = -0.015030   CP/S = 0.001893

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	164		-10.1		2034.5		-74.8		-53.2	
RMS	81.3		60.4		495.7		55		24.8	
1/2 P-P	273.5		167.5		935.6		129.7		70.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-29.5	30.3	-32.4	-2.8	-62.9	-37.3	-20.6	-28.3	-8.9	-8.7
2nd	-19.4	3	-30.9	7.1	31.1	101.2	-55.1	8.6	-14.8	2.4
3rd	-2.5	-10.2	-6.9	-5.9	217.6	151.1	-17.5	4.6	1.9	-3.4
4th	10.4	-5.4	8.2	-8.2	11.5	128.1	-10.3	7.2	-1.8	0.1
5th	21.2	-13.6	14.9	-17.4	50.7	32.1	-8.1	12.3	-2.9	1.7
6th	21.3	-13.4	16.2	-14.8	13.2	-2	-9.1	3.9	0.7	-6.9
7th	5.4	-28	0	-21.9	-40	-51.3	-2.9	-1.1	-0.7	-10.1
8th	34.2	-33.8	18.3	-29.2	12.2	-173.7	1.7	-5.6	5.7	-8.3
9th	6.7	-11.2	0.9	-8.8	-22.2	-90.5	-1.2	-2.1	2.1	-1.7
10th	-14.8	5.7	-8.4	5.1	2.1	15.9	-5.5	3.9	4.3	-3.9
11th	-79.7	-14.2	-44.1	7.1	-62.8	193.5	-25.3	2.9	18.9	-1.7
12th	-9.1	-8.4	-5.8	-1.1	-47.5	8.8	-1.7	-2.6	-0.3	1.9
13th	-2.8	10	0.2	4.2	-27.5	-29.4	0.2	-3.1	-1.3	2.9
14th	-3.1	20	2.4	6.7	-5.3	1.5	-0.1	-6.6	0	6.7
15th	-10.2	9.1	-1.1	5.5	35.5	7.6	4	-4.9	-2.6	3.6
16th	2.6	-6	-1.8	-2	-2.7	55.6	1.9	3.7	-1.5	-4.8
17th	6.4	-1.2	0.7	-1.7	2.6	-7.2	-2.3	2.2	-0.5	-2.8
18th	1.9	0.2	0.2	-0.4	5.7	-6.8	-1.8	1.3	-0.4	-1.1
19th	-4.1	-0.1	0.3	0.7	53	39.7	-0.8	0.8	2.5	-0.9
20th	-0.7	-7.2	-0.3	1	35.3	52.7	-0.1	-0.1	2.4	3.9

D-815

RUN 31 PT 21

V/OR = 0.100 ALFS,U = 10.01 CLRH/S = 0.082621 CTH/S = 0.083976
VKTS = 40.1 MTIP = 0.607 CXRH/S = -0.015030 CP/S = 0.001893

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-21.1		725.9		428.6		1426.8		-63.6	
RMS	335.3		267.8		258.7		208.2		130.2	
1/2 P-P	592.2		589.2		543.7		451.6		242.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-156.6	428.2	-56	301.7	25.3	251.6	32.1	146.4	-6.1	176.1
2nd	45.6	-47.8	80.2	-69.3	144.5	-111	133.8	-106.1	11.6	-4.6
3rd	-3.6	-53.8	-12.9	-54.4	-9.5	-71	-18.3	-67	17.9	0.9
4th	-5.3	-8.2	-22.6	-20.2	-32.5	-31.6	-29.5	-42.2	13.1	12
5th	-10.2	62.8	-6.4	113.5	-9.1	154.8	7	133.7	12.1	26.1
6th	-17.9	25.3	-17.9	36	-15.8	37.5	3.7	7.2	10.9	1.6
7th	-21.4	30.7	-4.8	39.6	4.6	25.3	6.6	-24.3	7.1	-3.3
8th	-0.3	25.4	-10.8	44.3	-3.6	24.2	17.6	-29.5	13.5	-7.8
9th	-6.2	1.1	-1.4	9.8	7.5	6.5	10.5	-5.3	3.5	-2.4
10th	2.8	-0.2	14.5	-9.3	3.6	-1.4	-11.8	4.8	1.4	-3.5
11th	56.6	-1.4	114.8	-21.3	11.4	-5.6	-79	11.8	-6	-13
12th	12.8	-5.2	23.6	-2.3	6.3	-3.5	-11.4	2.3	-3.6	-6
13th	-5.5	8.8	-3.1	13.3	-1.4	22.4	0.8	-3.8	-6.8	8.1
14th	-0.4	-1.7	-6.5	-15.2	0.4	13.4	1	-3.1	-7.2	10.3
15th	-1	0.3	4	0.6	-4.3	20.1	0.6	-1.3	-1.4	-1.9
16th	1.6	3.6	1	3.3	-1.7	-9.7	-4.6	-0.5	8.5	10.1
17th	-1.4	1.4	-3.7	6.8	5.6	-2.2	-3.2	0	0	2.6
18th	-0.7	0.3	-0.7	4.9	2.9	4.8	-0.7	1.5	1.4	4.8
19th	-2.7	-3.1	4.9	-0.8	5.9	4.6	11.1	-1	2.4	-5.5
20th	2	1.2	0.2	1.1	-9.9	-5.8	3.7	7.5	1.1	-2.7

D-816

RUN 31   PT 22

V/OR = 0.080 ALFS,U = 10.01 CLRH/S = 0.082869 CTH/S = 0.084211
VKTS = 32.0   MTIP = 0.605   CXRH/S = -0.014974 CP/S = 0.002771

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	163.4		-7		1758.1		-56		-47.1	
RMS	147.6		106.5		631.4		79.5		40.3	
1/2 P-P	448.8		282.6		1117.4		186		124.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-28.4	44.6	-28.6	5.7	38.9	7.3	-16.1	-27.5	-12.4	-8.1
2nd	-16.6	10.3	-27.5	2	43.6	-54.4	-59.2	-8.5	-16.3	-1.4
3rd	11.2	4.3	6	-1.4	140.2	159.6	-1.3	1.7	2	-0.7
4th	6.4	2.9	5	-3.3	-11.1	54.1	-22.1	-1.7	-9.9	-0.9
5th	-22	-68.1	-33.5	-58.7	-95.6	-49.9	28	57.2	10.1	16.7
6th	50.5	-32.2	34	-34	69.3	41.8	-0.5	16	10.1	-2.7
7th	-4.2	8.1	-0.1	5.2	-68.3	51	6.7	-4.6	1.2	-1.1
8th	-1.5	-124.2	-20.2	-86.4	-52	-163.5	1	-19.7	-5.5	-26
9th	19	-29.7	5.4	-23.2	77.1	-33.4	2.4	-6.8	-3.8	0.5
10th	-4	25.5	0.3	14.8	-14.4	-6.1	-1.8	9.7	0.3	-2
11th	-127.3	-5	-66.7	22.2	32.3	533.7	-42.6	14.6	30.4	-6.7
12th	-2	-13.4	-3.8	-3.7	6.6	14.8	-3.8	0.9	1.1	-4.2
13th	-3.1	17.7	1.8	7.7	2.9	-6.2	0.4	-0.1	-1.8	-0.6
14th	-14.1	23.9	0.9	8.8	65.7	19.1	3.8	-7.4	-2.3	9.1
15th	9.9	-0.3	1.2	-1.3	-5.8	-18.3	-3.9	2.3	5.5	0.7
16th	30	14.5	10.8	-2.5	17.4	29.4	-18.4	0.9	14	-0.3
17th	6.4	9.1	1.1	1.1	-47.6	24.6	-3.9	-0.4	0.7	-1
18th	-0.8	-1.5	-0.8	0.3	9.8	-70.1	3.2	0.7	-3.1	0.7
19th	-5.5	-11.6	-1.4	0.1	35.8	-1.8	4.7	-1.4	2.9	5.1
20th	4.2	-1.1	-0.8	-0.2	29.5	19	1	-0.4	-0.8	2.4

D-817

RUN 31   PT 22

V/OR = 0.080   ALFS,U = 10.01   CLRH/S = 0.082869   CTH/S = 0.084211
VKTS = 32.0   MTIP = 0.605   CXRH/S = -0.014974   CP/S = 0.002771

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	32.5		758.8		431.2		1375.1		-89	
RMS	390.6		354.2		336.1		301.4		160.5	
1/2 P-P	706.4		783.5		793.8		635.8		323.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-129.8	493.7	-43.6	358.1	14.3	316.6	2.3	212.5	-25.4	197.9
2nd	71.4	28.8	105.2	-2.8	168	-20.2	162.9	-25	20.7	24
3rd	-49.8	50.7	-55.3	41.1	-48	27.4	-40.9	7.4	20.2	37.1
4th	-12	-16.2	-47.9	-34.2	-72.1	-56.8	-70	-81	18	30.8
5th	135	29.4	184.9	-56.1	234.3	-91.5	184.9	-157	57.5	-28.8
6th	-15.9	18.1	-62.1	53.6	-78.9	70.3	-31	42.6	20.8	4.6
7th	-19.7	33.8	-13.8	26.2	-18.6	14.1	5.7	5.3	-3.1	0.4
8th	17.3	27.7	34.6	96.7	13.4	53	-11.6	-80.2	-5.9	-29.5
9th	-7.2	-9.5	-6.4	6.8	12.7	-5.5	18.8	-26.6	-0.1	3.5
10th	3	-40.1	-10.3	-57.9	-1.6	-19.5	-6.7	27.2	-0.3	3.7
11th	105.9	22.7	195.4	-30.9	24.2	-0.9	-148.8	24.4	-5.4	-17.5
12th	10.6	-10.1	16.6	3.1	7.4	-1.6	-15	13.9	1.2	-3.8
13th	-5.4	-8	-12.7	-14.3	-2.5	13.6	8.5	12.2	-4.5	-2
14th	-3.2	8.6	0.4	-8.1	-6.9	26.3	7	-3.8	-31.3	20.6
15th	1.5	7.7	2.6	16.2	12.9	6.1	-6.2	-0.5	18.6	10.5
16th	-3.6	-0.1	-25.1	6.2	31.1	4.9	-11.8	-2.9	-15.6	9.6
17th	2.5	0.6	-6.7	-3	10.3	6.2	-2.7	1.6	13.4	7.2
18th	0.3	0.2	3.8	-1.1	0	-2.9	10.1	2.3	0.8	0.1
19th	10.5	13.4	-0.3	-3.6	-39.7	-20.3	0.4	-3.2	2.5	-6.6
20th	5.8	3.6	-1.1	1.6	-5.9	-0.8	-10.8	-3.2	4.3	1.3

D-818

RUN 37   PT 19

V/OR = 0.252   ALFS,U = -10.00   CLRH/S = 0.099209   CTH/S = 0.099720
VKTS = 100.4   MTIP = 0.604   CXRH/S = 0.017297   CP/S = 0.007903

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	244.9		81.4		83.7		-46.3		16.5	
RMS	86.6		52.8		63.5		107.4		35	
1/2 P-P	162.1		108		110.7		195.7		66.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	85.9	59.5	58.6	-13	55.8	-55.2	49.8	-88.9	-22.1	-35.9
2nd	32.9	23.9	7.3	24.5	-3.4	28.6	-83.5	-10	-18.6	3.1
3rd	-4.2	39.3	-3.8	30	-6.6	28.8	-18.5	65.4	-11.4	7.4
4th	14.2	-12.5	9.4	-8.5	6.1	-5.9	-18.6	18.9	2.6	5.7
5th	-6.7	7	-5.8	6.7	-6.9	4.3	10.6	-10.4	4.5	1.7
6th	-4.3	-8.2	-5	-2.4	-3.8	1.3	3.8	1.3	-0.8	-5.2
7th	2.7	2.4	1.9	3.1	0.1	2.8	-0.5	-2.5	-0.6	-2.6
8th	-7.7	-0.7	-5.3	1.8	-2.1	1.9	-0.3	-1.8	-0.1	1.3
9th	-2	-3.3	-1.3	-0.7	-0.6	0.7	-1.8	-0.9	0.6	2.4
10th	4.8	4.4	2.6	2.7	-1.4	0.7	1.6	1.2	-1.6	-0.4
11th	-14	4.7	-6	5.6	1.3	0.1	-3.2	3.3	2.5	-3.3
12th	0.5	1.1	1	1.9	-0.4	0.8	1	1.3	-0.6	-1
13th	-0.5	1	0.2	1.4	-0.4	0.4	0.2	0.9	-0.1	0.2
14th	-0.6	-3.3	0.2	0.5	0.3	1.9	0.7	1.6	-0.4	-1
15th	-1.9	-1.9	-0.7	-0.3	0.4	0.7	1.1	0.4	-0.8	-1
16th	-0.9	-0.2	0	-0.4	-0.2	-0.2	0.3	0.1	0.3	-0.4
17th	-2.2	-1.5	-0.5	-0.2	0.8	0	1	0.4	-0.2	-0.1
18th	-0.8	-1	-0.1	0	0.2	0.3	0.3	0.3	0.1	0.1
19th	-2.5	-1.4	0.3	-0.2	1.1	-0.1	-0.1	0.1	1.6	-0.2
20th	1.5	-2.6	0.5	-0.2	-0.4	1.6	-0.2	-0.1	0.2	1.5

D-819

RUN 37   PT 19

V/OR = 0.252   ALFS,U = -10.00   CLRH/S = 0.098209   CTH/S = 0.099720
VKTS = 100.4   MTIP = 0.604   CXRH/S = 0.017297   CP/S = 0.007903

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	143.9		763		309.3		1229.8		-148.4	
RMS	454.2		389.5		467.9		412.6		221.9	
1/2 P-P	714.2		762.9		955		846.7		352.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	190.4	597.8	52	491.4	-77.4	555.8	-144.2	435.5	155.3	248.1
2nd	57.7	-49.1	43.1	-79.9	64.5	-108.9	87.7	-94.7	66.3	65.5
3rd	45.4	25.9	-17.5	-0.6	-63.1	-20.5	-70	-29.6	-15.7	37.2
4th	25.1	55.3	47.6	135.6	61.4	201.4	65.6	202.5	30.5	-31.1
5th	-31.3	-73.2	-134.2	-98.4	-202.1	-122.7	-218.5	-110.5	-15.7	-1.9
6th	7.1	-7.8	4.5	-3.8	5.7	-10.3	-0.3	-12.5	-6.8	-15.2
7th	-6	-11.2	-5.1	-1.5	2.7	7.3	10.4	12.5	-3.3	-6.2
8th	3.5	-4.7	8.7	-1.9	8.5	1.8	1.9	6.9	-0.4	-1.1
9th	-7.4	-0.3	-2.8	2.7	1.3	0.5	3.7	-4.1	-1.3	-2
10th	7.4	-1.3	-0.7	-3.2	2.8	0.3	0.5	2.5	3.6	-0.8
11th	6	-13.6	11.7	-19.6	1.2	-3.9	-8.5	15	-2.4	-1.4
12th	17.1	19.4	25.7	17.1	16.7	12.2	-8.7	-5.9	2.6	-3
13th	-0.3	2.2	2.3	2.2	2.7	3	0.3	1.3	4.4	-1.9
14th	-0.7	-3.1	2.2	-0.2	1.6	-2.9	0.8	2.5	1.8	-9.1
15th	0.6	-0.2	4.7	-3	1.7	-4.5	0.2	-0.6	1.9	2.3
16th	0.8	-0.5	3.3	-9.6	4.2	-10.5	1.8	-3.2	-0.4	1.6
17th	-0.7	1.5	0.9	0	-2.9	-1.4	1	-1	2.1	0.7
18th	0.5	0.3	-1.4	-1.9	-3.3	-3.4	-0.7	-1.2	0.3	0.7
19th	0.2	1.6	0.7	0.5	-3.2	-0.2	2.6	-1.3	-1.5	-0.4
20th	-12.2	-6.7	6.1	2.1	24.4	-4.9	17.2	3.5	0.9	-1.2

D-820

RUN 37   PT 20

V/OR = 0.200	ALFS,U = -10.00	CLRH/S = 0.099149 CTH/S = 0.100693
VKTS = 80.1	MTIP = 0.607	CXRH/S = 0.017568 CP/S = 0.007181

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	242.9		76.6		79.5		-38.2		16.9	
RMS	79.5		40.1		48		87.5		32.5	
1/2 P-P	141.7		91.9		90.5		166.2		69.5	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	63.5	70	39.7	-4.2	34.4	-46.7	2.6	-76.8	-17.5	-27.2
2nd	34.6	20.7	12.2	13.2	1.4	12.5	-65.1	-15	-25.2	0
3rd	-11.6	26.9	-13.3	20.7	-18.8	20.9	-28.9	60.2	-11.6	4.7
4th	12	-16.8	5	-13.6	2.4	-10.4	-12.8	9.4	9.9	7.3
5th	-4.1	12.2	-1.4	11.2	-2.5	8.9	7.7	-9	3.3	-0.2
6th	-5.7	-4	-5.5	-2.3	-3.4	-1.6	5.2	1.1	-5.5	-4.3
7th	13.4	8.1	10.4	4.1	5	3.1	-0.7	-1.2	1.1	-1.7
8th	-15.5	-4.8	-10.5	5.1	-4.5	2	-3	0	0.9	2.7
9th	.1	-1.5	0	-0.6	-0.5	0	0.8	-0.9	0.6	2.9
10th	6.6	7.3	4.2	2.6	-0.7	-0.6	3.5	1.7	-3.9	-1.7
11th	-5	2.1	-2.2	2.4	0.1	0.5	-1.2	2	-0.4	-2.9
12th	0.6	4	0.7	2.2	-0.7	-0.1	-0.2	1.2	0.9	-0.8
13th	-1.5	1.5	-0.5	1.3	0	0.1	-0.2	0.8	0.8	0.4
14th	0.1	-1.9	-0.6	0.3	-0.6	1.6	-0.1	1.7	0.1	-1.1
15th	1.4	-3.4	-0.2	-1.5	-0.7	1.7	-0.5	2.4	-0.1	-2.4
16th	0.1	2.1	0.9	0.5	-0.2	-0.8	-1.1	-0.6	1.1	0.4
17th	-1.8	-1.1	-0.1	0	0.9	0.5	0.4	0.1	0.4	0.6
18th	-0.1	-0.6	0.4	0.1	-0.1	0.4	-0.4	0.2	0.2	0.7
19th	-1.4	-0.5	0.4	0.2	0.3	-0.2	-0.4	-0.3	0.3	0.3
20th	1.9	-0.8	0	0.2	-1	1	0.2	-0.4	-1.3	1.1

RUN 37   PT 20

V/OR = 0.200	ALFS,U =-10.00	CLRH/S = 0.099149	CTH/S = 0.100693
VKTS = 80.1	MTIP = 0.607	CXRH/S = 0.017568	CP/S = 0.007181

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	110.1		741.1		286.6		1247.4		-125.9	
RMS	442.7		363.7		416.1		344.3		210.2	
1/2 P-P	660.5		665.7		817		729.2		340.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	146.9	593.8	56.8	467.2	-14.8	514.2	-53.1	389.4	116.8	252.4
2nd	64.6	-11.6	44.4	-37.4	59	-49.6	82.4	-46.8	70.4	59
3rd	46.7	23.5	-4.6	-2.6	-29.1	-28.6	-42.1	-43	-8.4	16.3
4th	21.7	72.3	27.9	144.1	24.8	201.1	29.8	194.1	22.7	-31.7
5th	-26.8	-66.1	-95.7	-85.5	-140.5	-107.9	-143.3	-93.4	-26.2	1.9
6th	8.2	7.9	-0.9	4.3	-11.1	0.9	-15.9	-.9	-8.9	-1.7
7th	-12.6	-12.3	-15.1	-4.7	-5.7	2.3	16.9	10.1	1.1	-1.2
8th	6.1	1.7	13	-2.8	8	1.8	-8.6	6.2	-2.3	1.8
9th	-2.2	-0.9	-1.9	2.4	0.5	1.9	3.7	-0.1	2.6	-0.8
10th	2.3	7.8	-3.7	2.2	2	3.5	6.2	1	1.5	2.5
11th	8.7	5.7	12.5	1	4.3	1.7	-6.8	1.1	-2.3	-3.5
12th	-4.9	12.1	-3.9	14.4	-0.3	10.3	3.8	-4.5	3.1	-0.2
13th	-4.3	2.2	-5.6	5.1	-4.9	4.2	1.4	0.4	1.8	2.4
14th	2.4	-1.1	1.9	2.4	1.4	-0.9	-0.9	2	5	-1.8
15th	1.3	0.7	3	5.3	3.4	-1.9	-0.4	0.7	-0.1	2.4
16th	0.5	-0.4	6.5	2.8	11.1	6	3.1	1	-0.8	-0.6
17th	-0.6	-0.5	0.5	0.4	-1.3	-1.1	1.3	0.8	-0.4	0.1
18th	-1.1	-2.6	3.1	0.9	7.1	1.2	3.5	2.2	0.3	0.2
19th	-2.2	1.5	0.1	-2.6	0.5	-5.7	1.5	-3.3	-2.3	-1.2
20th	1.5	-8.4	0.1	2.9	6.1	8.6	-0.1	11.6	1.1	0.8

D-822

RUN 37   PT 21

V/OR = 0.151   ALFS,U = -10.00   CLRH/S = 0.099129   CTH/S = 0.100604
VKTS = 60.2   MTIP = 0.605   CXRH/S = 0.017169   CP/S = 0.006687

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	241.5		72.7		74.6		-20.3		24.7	
RMS	74		37.5		42.9		83.9		38.7	
1/2 P-P	132.5		91.8		91.9		167.3		79.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	41.7	70.4	19.7	1.6	10.6	-36.7	-47.7	-66.8	-13.8	-17.5
2nd	36.7	17.1	14.3	4.8	2.9	2.2	-47	-11.5	-40	-4
3rd	-21.5	17.3	-24.8	18.2	-33.2	20.9	-42.8	49.7	-12.2	2.8
4th	0.8	-23.5	-4.4	-18.3	-6.8	-13.9	-0.1	14.3	21.2	7.7
5th	-1.8	16.4	1.5	17.6	0	17.2	4.2	-18.3	3.6	-2
6th	-13.8	-5.8	-10.9	-4.9	-7.1	-3.3	7	1.2	-10.8	-2.3
7th	14.6	-1.8	10.5	-3.5	4.4	-0.5	-0.5	1.1	-0.5	-3.7
8th	-20.7	0.2	-14.3	2.5	-5.9	1.2	-4.2	0	1.5	0.9
9th	0.6	-4.3	-1.4	-2.9	-2.3	-0.4	0.6	-2	1.4	2.1
10th	7.7	2.3	3.9	0.4	-1.6	0.3	3.5	0.9	-4.3	-0.1
11th	-9.5	10.2	-3	7.4	0.1	-0.5	-1.9	5.2	-0.1	-4.7
12th	-0.2	-0.2	-0.4	1.4	-1.3	1.1	-0.3	1.5	0.7	-1.5
13th	0.4	0	0	1.3	-1.3	0.6	-0.4	1.4	1.3	-0.6
14th	-0.5	0	-0.4	0.5	-0.5	0	-0.4	0.3	0.1	0.4
15th	2.6	-3.3	0.1	-1	-0.9	1.6	-0.8	1.8	0.4	-1.5
16th	-0.3	0.9	0.2	0.4	-0.3	-0.5	-0.3	-0.6	0.3	0.5
17th	-0.6	-0.5	-0.3	0.2	0.1	0	0.2	-0.2	-0.1	0.5
18th	0.1	-0.3	0.1	0.5	-0.1	0	-0.1	-0.2	-0.2	0.7
19th	1.6	0	0.1	0.4	-0.8	0.2	-0.3	-0.1	-0.9	0.7
20th	2.4	0.7	0	0.4	-1.2	0.1	0.1	-0.3	-1.4	0.4

D-823

RUN 37   PT 21

V/OR = 0.151   ALFS,U = -10.00   CLRH/S = 0.099129   CTH/S = 0.100604
VKTS = 60.2   MTIP = 0.605   CXRH/S = 0.017169   CP/S = 0.006687

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	102.1		727.8		283		1234.7		-78.6	
RMS	426.1		343.3		378.8		302.3		198.6	
1/2 P-P	623.7		604.9		711.1		615.2		347	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	134.9	568.7	89.6	431.9	77.8	457	69.4	329.7	90.1	242
2nd	81.7	11.8	56	-10.3	71.1	-12.9	80.1	-22.2	80.9	55.4
3rd	48.3	-20.1	1.6	-45.7	-4.4	-80.3	-24.9	-90.9	-6.4	-0.9
4th	4.5	79.8	3.6	148.4	-3	195.1	-8	186.3	3.2	-40.3
5th	-31.9	-62.3	-91.9	-54.1	-128.9	-63	-125	-36.8	-27.7	-0.3
6th	0.1	16.5	2.8	10.9	-0.8	4.4	-11.9	-9	-10.5	7.4
7th	-7.6	-6.8	-15.4	4.3	-11.4	6.9	7	2.8	-1	-1.2
8th	4.7	3.8	15.9	1.6	8.8	1.9	-12.7	3	-2.2	0.2
9th	4.6	7.1	4.2	8.1	5.4	3	-1.1	-3.3	5	2.7
10th	14.2	-0.4	3	-2.5	5.4	-0.1	-1.3	3.4	2	-1.7
11th	7.7	1.2	10.6	-11.6	3.2	-0.1	-6.9	9.7	-3.4	-1.3
12th	0.5	26.5	8	29.5	6.3	16.2	-2.4	-10.7	3.3	-0.9
13th	0.4	3	0.6	4.7	2.1	2.1	-1.4	0.7	3.9	0.5
14th	1.5	1.3	1.8	0.3	2.2	0.7	-1.2	0.8	-0.7	3.4
15th	1.2	0.8	3.2	7.7	6.1	2.2	-1.3	1.7	2.6	1.9
16th	0.9	0.6	1	-2	2.4	-0.2	0.5	-0.5	-0.3	-0.5
17th	-0.1	-1.7	1.2	1.1	1.4	2.1	1.1	1.1	-0.9	0.9
18th	1.8	-2.2	-1.2	0.4	-1.1	2.9	-1.2	2.2	0.5	0
19th	-1.2	-0.8	-0.1	-1.2	3.7	-2.5	-0.4	0.2	-0.7	-0.3
20th	0.8	-13.8	0.8	4.5	12.6	18.4	3.7	15.6	0.9	1.4

D-824

RUN 37 PT 22

V/OR = 0.125 ALFS,U = -10.00 CLRH/S = 0.099324 CTH/S = 0.100762
VKTS = 49.9 MTIP = 0.604 CXRH/S = 0.016973 CP/S = 0.006677

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	243.5		72.2		74		-10		34.5	
RMS	75.3		40		43.5		87.1		45.8	
1/2 P-P	133.3		101.6		95.9		170.9		89.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	31.5	73.2	9.1	6.4	-1.4	-29.5	-65.1	-57.8	-14.2	-14.5
2nd	37.4	17.5	14.6	2.4	4	-1.1	-48.3	-15	-50.3	-6.1
3rd	-27.4	14.4	-31.5	18.8	-39.6	21.7	-42.8	46.9	-11.6	3.6
4th	-4.3	-26.7	-8.7	-20.2	-9.7	-15.6	4	17.5	26.7	7.6
5th	1.9	17	3.6	19.3	1.8	19.4	1.3	-22.2	4	-3.4
6th	-16.8	-9.5	-13.1	-7	-7.4	-4.5	8.2	2.6	-12.3	-1.2
7th	10	-6	6.2	-5.5	1.8	-1.5	-0.5	2	-2.4	-4.2
8th	-17.3	-0.4	-11.6	2.1	-4.5	0.9	-4.3	-0.5	1.7	-0.1
9th	-1.5	-3.1	-2.9	-2.3	-2.4	-1	0	-1.4	2.2	1.6
10th	9.1	1.1	3.9	-0.1	-1.8	0.4	3.3	0.2	-3.9	0.7
11th	-15.4	17.2	-5.1	12	1	-1.6	-2.9	7.3	0.3	-6
12th	-0.4	-3.7	-1.7	-0.5	-1.2	1.6	-1.2	1.1	1.1	-1.7
13th	1.4	-0.3	0	1.1	-1.6	0.6	-1	1.2	2.1	-0.9
14th	-2.3	1.7	-0.2	0.9	0.3	-0.9	0.5	-0.9	-0.1	1.8
15th	2.2	-4.2	-0.2	-0.9	-0.6	2.3	-0.4	2.4	-0.1	-1.4
16th	2.2	1.2	0.7	0	-1.3	-0.1	-1.6	-0.3	0.6	-0.2
17th	-1.7	1	0.1	0.6	0.3	-0.9	0	-1.2	0.6	0.1
18th	-0.7	-2	0	0.6	0.4	0.9	0.3	-0.2	1	1.5
19th	3.4	-2.7	0.1	0.2	-1.4	1.9	-0.3	0.2	-1.4	2.7
20th	-0.4	3.4	0.5	0.2	-1	-2	-0.4	0	-1.3	-1.9

D-825

RUN 37   PT 22

V/OR = 0.125   ALFS,U = -10.00   CLRH/S = 0.099324   CTH/S = 0.100762
VKTS = 49.9   MTIP = 0.604   CXRH/S = 0.016973   CP/S = 0.006677

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	106		728.2		282.7		1224.1		-76.3	
RMS	416.9		336.8		370.6		301		195.9	
1/2 P-P	636		591.2		674.5		587.4		353.5	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	125	554.1	105.6	411.7	125.7	425.2	132.3	299.2	78.2	237.9
2nd	87.6	26	61.9	2.9	75.8	2.8	75.5	-11.9	87.1	56.8
3rd	52	-43	8.4	-69.5	7	-106	-18.5	-110.5	-7.7	-10.3
4th	-4.7	78.8	-5.4	145.9	-12.8	188.4	-23	178.9	-3.3	-47.9
5th	-36.2	-56.7	-104.2	-29.6	-148.5	-26.2	-144.7	5.5	-21.2	-0.2
6th	-8.3	14.7	2.9	16.2	3.7	15.3	-6.2	1.7	-11.5	11.8
7th	-1	-5.6	-12.1	4.9	-13.4	7.7	-5.7	1.8	-3.6	-1.9
8th	-0.3	3.6	11.6	2.4	7.8	3.2	-5.8	1.7	1.3	-2.3
9th	4.3	9.4	6.2	8	6.1	4.7	-2.7	-3	4.4	6.1
10th	19.9	3.3	6.6	-0.2	5.7	1.4	-5.2	0.8	1.9	0
11th	9.4	-13.1	11.5	-31.6	1	-3.3	-9.9	22	-3.9	-0.7
12th	-7.4	32.5	1.3	40.9	0.4	20	-0.5	-16.8	4.3	-0.3
13th	0	8	2.1	13.6	3.7	9.1	-1.8	-1.2	5.5	0.9
14th	0.9	1.2	2.5	-1.2	0.6	2.2	0.3	0.6	-6	5.4
15th	2.2	0.4	2.4	9.6	2.5	3.3	-1.6	2.6	3.5	-1.1
16th	1.4	0.3	-0.7	-5.7	4.1	-6	-0.9	-1.7	2.3	1.5
17th	0.6	-1.2	0.6	0.3	0.5	4.6	1.7	0.4	-1.1	-1.1
18th	1.9	-2	0.6	1.4	-1.6	2.7	1	4.4	-0.5	-2.3
19th	-0.7	-1.3	-0.1	2.4	4.2	-3.1	-0.9	5.3	2.6	-0.7
20th	4.8	-12.6	-0.1	3.5	7.7	24	0.7	11.2	0.3	1.7

D-826

RUN 37   PT 23

V/OR = 0.101 ALFS,U =-10.00 CLRH/S = 0.098888 CTH/S = 0.100291
VKTS = 40.3   MTIP = 0.604   CXRH/S = 0.016732 CP/S = 0.006792

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	242.9		71.9		74		6.5		49.3	
RMS	72.1		36.7		40.5		87.9		51.6	
1/2 P-P	130.2		85.5		86.7		164.9		98	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	19.3	77.8	-1.4	11.2	-11.9	-22.5	-81	-44.2	-16.6	-10.9
2nd	34.5	18.6	13.9	1.7	5.6	-1.9	-52.2	-21.5	-60.4	-4.9
3rd	-30.4	11	-34.5	16.6	-40.4	19.8	-36.6	42.4	-11.1	3.4
4th	-9.3	-22.3	-11.8	-16.1	-11.6	-11.6	4.1	13.6	28.6	2.5
5th	3.5	9.1	2.4	13.2	0.6	15	2.6	-18.1	7.6	-4.7
6th	-15.4	-5.3	-11.1	-3.1	-5.6	-1.4	6.1	2.2	-9.3	2.4
7th	-0.7	-10.6	-2.4	-7.2	-1.8	-1.9	0.6	-0.7	-6.9	-1.2
8th	0.2	-0.1	0.5	0	0.2	0.1	0.6	0.1	0.9	-1.9
9th	-7.4	1	-5.3	1.1	-1.7	-0.1	-2.2	1.2	2.8	-2.3
10th	-4.1	-0.5	-4	0.6	-1.6	0	-2.5	0.3	2.4	0.4
11th	1.2	14.2	2.8	6.5	-0.9	-2.2	2.1	3.5	-2	-1.3
12th	-8.4	0.5	-4.1	2.1	0.9	0	-1.2	1	-0.8	-0.5
13th	0.4	-3.9	-1.9	-0.6	-1.6	1.2	-1.4	1.2	0.3	-1.8
14th	6.1	0.2	1.3	-1.3	-2.8	0.2	-2.5	0.1	3.3	-1.1
15th	-1	4.7	1.1	1.7	-0.1	-2.1	-0.5	-2.5	1.5	2.6
16th	-1.1	-4.4	-1.2	-0.6	0.8	1.8	1.5	1.5	-1.1	0.3
17th	2.4	-0.5	0.1	-0.1	-1.5	0.4	-0.9	0.2	-1.2	0.5
18th	1	1.9	0	0.5	-1.1	-0.9	-0.4	-0.8	-1.3	-0.6
19th	-1.5	-1.2	-0.2	0.6	1.1	-0.3	0.4	-0.7	1	-0.1
20th	3.4	1.4	0	0.5	-2.1	0.1	0.8	-0.2	-1.5	0.3

D-827

V/OR = 0.101   ALFS,U = -10.00   CLRH/S = 0.098888   CTH/S = 0.100291

VKTS = 40.3   MTIP = 0.604   CXRH/S = 0.016732   CP/S = 0.006792

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	106.9		724.6		274.1		1204.7		-88.6	
RMS	406		320.4		349.8		287.9		190.9	
1/2 P-P	615.5		571.6		639.2		539.5		346.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	104.4	546.9	111.7	398.9	159.9	398.2	177	274.2	65	234.1
2nd	82.9	31.5	60.2	9.2	71.7	10.4	67.7	-3.4	88.2	56.8
3rd	45.1	-44	9.6	-72.9	10.7	-113.7	-17.1	-113	-8.5	-14.1
4th	-19.3	62.3	-24	120.8	-36.9	152.8	-44.4	149.4	-12.8	-43.2
5th	-21.1	-43.5	-81.9	-11.6	-122.1	-4.9	-120.1	24.4	-4.4	-5.5
6th	-16	8.7	3.1	12.6	10.3	12.3	8.3	7.5	-8.4	15.4
7th	9.9	-7.5	-1.9	8.9	-13.5	17.7	-20.5	14.6	-6.3	-0.6
8th	-6.2	5.9	-2.8	5.5	-0.6	2.2	6.7	-2.2	2.7	-2.6
9th	6.2	6.2	10.4	1.7	5.1	2	-6.6	1.2	1.5	3.8
10th	20.5	12.1	19.7	4.6	7.7	2.8	-14	-4	0.7	-1.1
11th	0.6	0.1	-4.3	-11.6	1.3	2.7	3.3	8.6	-3.1	4.2
12th	-0.7	27.4	12	27	-0.3	18.2	-6	-11.3	-2.8	-0.4
13th	-6.6	1.8	-10.4	9	-8.1	1.9	0	-1.5	7	-1.6
14th	0.7	2	-0.5	1.9	7.8	-0.6	-2	-1.6	4.8	6.5
15th	0.3	1.4	-3.1	4.2	-1.8	12.7	0.9	-0.3	-9.7	-0.3
16th	1	1	4.1	-2.4	-0.4	-8.1	0.3	1.1	4.4	-2.1
17th	1.1	-0.8	-1.7	2.7	1.2	2.5	-2.9	2.2	-0.5	0.4
18th	2.4	0	-2.2	-1.6	-1	3	-3.4	-1.3	-0.4	0
19th	0.9	-2.1	1.6	0.3	-0.8	4.8	2.1	2.1	-0.5	-3.7
20th	10.4	-10.6	-2.7	6.2	0	23.1	-8.4	17.8	2.2	-0.7

RUN 37   PT 24

V/OR = 0.091   ALFS,U = -10.00   CLRH/S = 0.098870   CTH/S = 0.100286
VKTS = 36.4   MTIP = 0.604   CXRH/S = 0.016803   CP/S = 0.006898

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	241.1		71.4		74.6		18.4		56.6	
RMS	69		32.7		36		88.1		52.8	
1/2 P-P	130.6		70.3		72.9		154.8		103.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	13.6	77.9	-5.8	12.6	-16	-19.7	-90.5	-38.2	-17.9	-13
2nd	30.2	19.2	12	2.1	4.8	-2.2	-50.5	-23.3	-62.3	-4.8
3rd	-28.3	9.7	-30.8	14.9	-35.3	18	-31	39	-11.5	5.8
4th	-11	-18.9	-12	-13.5	-11.2	-9.7	4.5	10.3	26.4	1.2
5th	2.7	0	1	4.8	-0.6	7.7	3.5	-9.6	9.9	-6
6th	-15	-4	-10.3	-1.6	-4.7	-0.6	4.2	0.7	-6.4	2.7
7th	-8.3	-9.2	-7.1	-4.7	-3.5	-0.6	1.5	-1.7	-8.8	1.9
8th	3.9	3.2	4.2	1.6	1.8	0.4	1	1.5	0.2	-1.4
9th	-7.2	3.1	-3.8	2.4	-0.5	-0.5	-2.5	1.8	3.1	-3.9
10th	-3.7	-3	-3.7	-1.2	-1.1	-0.4	-2.2	-1.1	2.8	0.9
11th	2.7	8.2	2.7	3	-0.9	-1.6	1.8	1.3	-1.7	0.9
12th	-6.9	-4.1	-4	-0.6	0.7	0.5	-1.6	0.2	-0.4	0.2
13th	-0.3	-1.6	-1.7	-0.6	-0.9	0.1	-1.5	-0.1	0.4	-1
14th	2.4	3.2	0.5	0	-1.9	-1.4	-1.6	-1.2	2	0.7
15th	0.5	3.1	0.8	0.7	-0.9	-1.7	-0.9	-1.5	1.1	1.7
16th	-0.1	0.2	0.4	0.4	0.4	-0.4	-0.2	-0.5	0.1	0.8
17th	1.2	-2	-0.4	-0.8	0	0.8	0.2	1.2	-0.6	-0.2
18th	1.1	0.8	-0.3	-0.3	-0.7	-0.4	-0.2	0.1	-1.4	-0.3
19th	-1.2	2.6	-0.3	0.3	0.2	-2.1	0.2	-0.5	-0.6	-1.9
20th	-0.4	-0.3	-0.4	0.7	0.6	-0.1	0.4	-0.4	0.5	-0.4

D-829

RUN 37   PT 24

V/OR = 0.091   ALFS,U = -10.00   CLRH/S = 0.098870   CTH/S = 0.100286
VKTS = 36.4   MTIP = 0.604   CXRH/S = 0.016803   CP/S = 0.006898

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	102.7		719.1		264.2		1190.2		-83.6	
RMS	402.1		310.9		332.3		271		190.4	
1/2 P-P	627.2		563.6		606.4		556.9		392.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	87.2	549.6	106.1	399.2	164.9	392.6	187.2	266.9	60.1	236.5
2nd	70.6	33	51.2	11.4	62.1	12.4	58.9	0.2	85.9	56
3rd	29.1	-31.5	-0.5	-56.9	-1.4	-94.7	-25.4	-95.4	-7.2	-15.6
4th	-27.7	53.3	-33.4	105.3	-47.4	132.2	-51.5	130.2	-18.1	-37.4
5th	-6.7	-25.5	-40.7	5.6	-63.2	16.4	-60.6	35.7	4.5	-3.3
6th	-18.4	2.6	6.1	5.6	19.3	6.2	21.6	4.6	-5.5	13.5
7th	9.7	-4.3	4.5	7.1	-6	13.1	-18.7	11.6	-7.1	-1.2
8th	-11.3	4.1	-6.8	2.5	-0.3	0	13.8	-2.2	-1.3	-1.9
9th	0.4	6.8	5.8	0.5	3.2	0.5	-2	-0.8	-0.4	3.3
10th	10.8	14.2	11.8	10.1	4.2	3.5	-9.2	-9.1	3.2	-0.3
11th	-12.9	3.2	-15.1	-0.6	-2.8	4.8	10	1.9	-2	2.6
12th	-6.8	29.1	7.3	35.5	-1.4	19.3	-2.9	-15.3	-1.8	-0.6
13th	-5.4	-4.9	-11	-5.2	-7.4	-5	0	0	3.9	2.3
14th	0.5	2	0.4	0.2	5.6	3.6	-2.4	-1.5	1.6	7.9
15th	-0.2	1.7	-4.5	0.9	-2	5.2	-0.3	-0.5	-6	-2.2
16th	0	1.1	-0.3	-3.3	-0.3	-2.4	0.4	-0.3	-0.9	-4.6
17th	1.4	0.9	-1.7	2.3	-3.4	-0.7	-2.2	1.4	0.6	3.4
18th	2.8	1.9	-2.1	0.5	-2.4	1.8	-3.5	-0.5	0	2.4
19th	1	-1.6	0.3	-0.6	1	7.1	0.1	-1.9	0.7	0.9
20th	15.9	1.8	-4.8	2.8	-22.6	13	-15.4	7.6	0.5	-1.1

D-830

RUN 37 PT 25

V/OR = 0.081   ALFS,U = -10.00   CLRH/S = 0.098391   CTH/S = 0.099795
VKTS = 32.4   MTIP = 0.608   CXRH/S = 0.016696   CP/S = 0.006994

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	239.8		70		75.2		34.8		64.8	
RMS	67.9		30.8		31.8		90.8		53.4	
1/2 P-P	122.6		60.4		61		143.2		104.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	5.7	79.4	-11.2	14.5	-19.9	-17.1	-103.9	-33.8	-19.9	-14.1
2nd	23.8	18.5	9	2.6	4.2	-1.7	-45.6	-23	-62.8	-4.7
3rd	-25.8	7.5	-26.1	11.9	-28.7	14.1	-27.9	31.4	-12.1	5.2
4th	-13.7	-16.7	-13.3	-11	-12.5	-8	7.7	8.3	24.4	0.1
5th	4.3	-9.1	1.8	-4.5	1.7	-0.6	1.1	-0.2	12.4	-3.1
6th	-13.5	-5.6	-8.9	-2.5	-3.8	-0.6	3.4	0.3	-5.4	2.6
7th	-13.8	-13.4	-11.8	-6.6	-6	-1.4	2.5	-1.6	-11.4	0.6
8th	2.1	-0.5	2.4	-0.4	1.1	0.1	0.6	0.4	-0.7	-1
9th	-6.7	2.4	-3.5	2.7	-0.7	0.6	-2.4	1.3	3.4	-2
10th	-4.8	2	-2.8	1.8	-0.3	-0.4	-1.6	1.3	2.6	-1.1
11th	-0.6	-2.8	-0.4	-1.9	0.1	-0.1	-0.3	-1.4	-0.4	1.8
12th	-1.7	1.8	-0.2	0.7	0	-0.5	0	-0.3	-0.6	1.1
13th	-3.5	-1.3	-1.2	0.1	0.6	0.5	0.4	0	-1.1	0.4
14th	-0.9	-3.6	-0.8	-1.4	0.5	0.9	0.5	0.7	-1.2	-1.8
15th	0.1	2.1	1	-0.2	-0.4	-1.2	-0.4	-1.2	1.1	-0.1
16th	-4.9	-0.8	-0.7	0.9	2	-0.4	2.3	-1.4	-0.2	1.4
17th	1.7	-1.7	0.7	-0.3	-0.6	0.9	-0.6	0.7	0.3	0.9
18th	2	1.5	0.6	-0.1	-1.5	-0.2	-1	-0.2	-1.5	-0.5
19th	-0.2	1	0.3	-0.1	-0.1	-0.9	-0.2	-0.1	-0.2	-1.3
20th	1.8	-3.9	-0.3	-0.1	0.6	1.8	0.3	-0.2	0.6	2.3

D-831

RUN 37   PT 25

V/OR = 0.081   ALFS,U = -10.00   CLRH/S = 0.098391   CTH/S = 0.099795
VKTS = 32.4   MTIP = 0.608   CXRH/S = 0.016696   CP/S = 0.006994

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	93.7		716.5		252.3		1183.9		-99.1	
RMS	392.9		297.4		314.7		256.2		187.3	
1/2 P-P	599.7		526.7		571.9		518.2		331.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	60.8	545.9	95.1	393.2	165.3	382.3	193.3	257.5	49.7	236.4
2nd	53.4	32.1	39.2	11.2	48.8	12.1	46.1	0.4	80.3	52.1
3rd	2	-21	-20.2	-41.2	-21.4	-73.3	-38.3	-75.7	-4.1	-13.4
4th	-29.2	36.2	-39.7	77.6	-54.9	96.9	-60	97.9	-21.3	-37.3
5th	2.8	-6.2	0.4	25.7	-0.7	43.5	6.9	51.3	13.4	1.2
6th	-15.8	-4.2	6.1	4.3	17.2	10	20	11.3	-9.6	9.8
7th	12.2	-1.8	10.5	7.1	-1.3	10.4	-20.5	3.6	-7	-2.9
8th	-10.4	-0.4	-5.5	2.4	0.7	1	11.8	-3.1	1.7	-5.6
9th	1.6	4.4	5.5	-0.1	2.4	1	-2.3	1.2	2	1.1
10th	1	10.9	4.9	4.5	1.4	2.3	-4	-6.1	0.9	3
11th	-7.5	0.8	-6	3.1	-3.2	1.1	2.9	-2.9	-2.4	-0.4
12th	-5.8	-1.2	-6.6	-1.5	-4.1	2	3	1	0.4	-1.1
13th	2.2	-2	6.1	-5.6	1.1	-4.1	-1.2	1.1	0.1	-0.2
14th	0.2	-0.3	1.6	-2	-1.2	-5.7	-0.4	-0.6	-1.2	-0.6
15th	-1.6	0.4	2.4	0.5	5.2	3.7	0.9	-1.7	-3.1	5.1
16th	-1.2	0	-1.8	-5.4	-9.5	-2.3	1.4	0	3.6	-5.2
17th	-3.2	-1.2	0.1	2.1	4.3	-1.6	1.6	2.1	-0.9	1
18th	-1.7	2.6	-3.4	-2.8	0.7	-4.9	-2.9	-3	-0.7	0.1
19th	-0.9	-0.2	-0.3	0.4	1.9	3	0.3	-0.4	-0.8	1.1
20th	-7.1	4.2	2.2	0.9	4.2	-13.8	5.7	-1.7	2	0.3

D-832

RUN 37   PT 26

V/OR = 0.060   ALFS,U =-10.00   CLRH/S = 0.099036   CTH/S = 0.100432
VKTS = 24.0   MTIP = 0.605   CXRH/S = 0.016709   CP/S = 0.007343

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	238.1		71.4		79.5		67.4		77.9	
RMS	70.8		31.2		25.7		94.9		45.9	
1/2 P-P	136.3		67.9		49.9		149.4		89.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-7.3	87.1	-18.6	20.8	-22.3	-11.3	-119.4	-30.8	-24	-8.7
2nd	9.9	16.8	2	4	0.8	0.3	-40	-19.8	-53.4	-4.4
3rd	-20.7	2.4	-17	5.4	-16.3	6.6	-18.6	12.8	-11.8	-1.2
4th	-10.7	-15.9	-11.4	-10.3	-11.1	-7.9	8	9	15.7	-0.5
5th	10.9	-17.4	6.2	-13.3	5.8	-7.8	-5.1	7.4	11.6	4
6th	-6.8	-5.6	-5.5	-2.2	-3	-0.2	3.1	0.1	-2.5	0.6
7th	-10.1	-16.8	-11.3	-9.2	-6.8	-2.2	3.4	-2	-9.9	-2.7
8th	5.9	-5.8	3.2	-4.3	0.6	-0.1	1.4	-1.1	-0.5	-1
9th	-6.3	0.8	-4.7	1.9	-1.8	1.4	-2.6	0.7	2.2	-0.7
10th	-6.1	-0.4	-4.5	1.6	-0.8	0.9	-2.9	1	2.5	-0.3
11th	1.2	5.8	1.8	2.8	-0.1	-0.5	1.2	1.7	-1.2	-0.5
12th	-7	3.7	-2.9	3.1	0.7	-0.6	-0.6	1.5	-0.2	-0.8
13th	-2.3	-0.2	-0.3	1.3	0.5	1	0.8	0.9	-0.8	-0.9
14th	5.5	-0.1	1.5	-1.5	-2.1	0.5	-1.9	0.3	2.2	-0.8
15th	8.9	2.2	3.1	-0.9	-3.8	0.4	-4.1	0.7	4.3	-0.4
16th	2	-2.2	0.2	-0.7	-0.8	1.5	-0.5	1.3	0.4	0
17th	2.8	-3	-0.5	-1.3	-0.9	1.8	-0.1	2.2	-1	-0.5
18th	-0.6	0.5	-0.1	0	0	-0.2	0	-0.3	-0.4	-0.6
19th	-4.6	2	-0.4	0.4	1.6	-2.3	0.4	-0.8	1.8	-2.1
20th	-1.3	-1	-0.5	0.4	0.8	-0.1	0.2	-0.4	1.2	0.4

D-833

RUN 37   PT 26

V/OR = 0.060
VKTS = 24.0

ALFS,U = -10.00
MTIP = 0.605

CLRH/S = 0.099036
CXRH/S = 0.016709

CTH/S = 0.100432
CP/S = 0.007343

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	79.7		695.5		218.7		1131.3		-120.8	
RMS	379		282.8		295.7		244.2		174.4	
1/2 P-P	608.8		548.1		593.7		482.5		308.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	17.9	532.2	74.4	378.1	149.9	361.4	186.6	244.2	32.5	229.1
2nd	22.9	21.7	18.5	2.9	27.1	3.3	28.5	-5	57.4	43
3rd	-25.6	-15.4	-29.6	-27.2	-31.1	-47.1	-36.4	-48.5	-10.9	-10.3
4th	-12.5	2	-31	15.2	-44.7	16	-53.5	14.8	-8.6	-35.1
5th	11.4	16.9	35.7	67.7	51.7	104.5	63.7	104.6	22.4	7.9
6th	0.2	-10	8	0.4	12.9	6.1	11	10.5	0	-3
7th	23.1	-3.8	15.7	8.9	2	12.8	-22.7	6	-0.4	-5.2
8th	-1.5	-2.5	-3.5	4.3	-0.5	2.6	7	-2.5	3.6	-1.4
9th	10.5	5.6	10.7	-0.1	2.9	-0.6	-8.5	-0.1	1.8	3.1
10th	16.7	1.7	17.1	-3	5.9	-1.3	-13.3	0.9	0.1	-0.8
11th	-9.9	-6	-11.8	-8.1	-2.9	-1.4	8	6	-0.7	-0.4
12th	0.7	22.5	11.2	21.6	1.3	17.6	-4.9	-7.8	0.7	3.3
13th	6.8	3.1	14.6	0.6	8.5	0.3	-3.5	1.5	-0.5	-2.7
14th	1.3	0.8	-2.4	1.7	4.4	-1.5	-0.4	-1.8	1	4.7
15th	0.2	0.9	-4.4	5.9	9.9	3.5	-1	-1.1	-0.5	3.6
16th	-0.2	0.5	-2.1	6.1	-0.2	2.7	-1.2	2.5	0.6	-2.2
17th	2.1	1.1	-1.1	2.6	-0.9	-4.8	-2.6	1.4	1.7	2.4
18th	2.6	-0.8	-0.1	1.4	-1	4.2	-0.9	0.6	-0.5	-0.1
19th	4.8	1.7	0.5	-1.2	-8.9	7.6	-0.7	-3.1	-0.6	0.4
20th	7.2	1.3	-2.1	0.4	-13.2	4.9	-6.6	2.7	1.3	1.1

D-834

RUN 37   PT 27

V/OR = 0.050   ALFS,U = -10.00   CLRH/S = 0.099082   CTH/S = 0.100496
VKTS = 20.1   MTIP = 0.604   CXRH/S = 0.016814   CP/S = 0.007482

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	238.7		73.2		82.4		76.9		82.6	
RMS	67.5		29		22.5		91.4		42.1	
1/2 P-P	131.3		64.3		47.3		139.3		84.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-10.2	85.3	-19.3	21.6	-21.9	-8.6	-115.7	-29.9	-21.7	-6.3
2nd	5.7	14.7	0.2	4.5	0	1.2	-38.8	-18.2	-48.8	-6.7
3rd	-16.7	-0.3	-12.9	4	-12.1	5.2	-14	10.3	-12.2	-1.8
4th	-7.9	-15.5	-9.8	-10	-10.3	-7.9	7.7	9.8	15.7	2.8
5th	7.8	-15.6	3.6	-10.1	3.8	-4.7	-3	4.8	8.9	2.3
6th	-4.5	-4.5	-5.2	-1.4	-3.4	0.7	3.7	-0.8	-3.1	0.5
7th	-7.7	-11.6	-9.7	-6.2	-6	-1.4	3.5	-1.5	-7.5	-1.9
8th	-0.5	-1.5	-0.7	-0.6	-0.7	0.5	0	-0.1	-0.6	-1.2
9th	-9.2	0.5	-6.3	2	-1.4	0.7	-3.8	1	2.2	-0.4
10th	-2.9	0.7	-1.7	0.7	0.1	0	-1.2	0.7	1	0.1
11th	7	14.3	7.4	5.8	0.4	-1.3	4.8	3.4	-3.8	-2.6
12th	-4.2	1	-1.8	0.6	0.5	-0.2	-0.6	0.1	0.2	-0.5
13th	2.1	-0.5	1.4	-0.4	-0.7	1	0.1	0	0.2	-0.5
14th	1.7	0.3	0.8	-1.2	-0.8	-0.3	-0.6	-0.5	0.8	0.7
15th	-2.3	-0.5	-0.9	0.5	0.6	0	0.8	-0.2	-1	0.5
16th	0.6	-3.9	-1.1	-1.2	0.4	1.8	0.8	2.1	-0.9	-1.6
17th	-0.3	0.3	-0.2	-0.1	-0.1	0	0.1	-0.1	-0.3	-0.7
18th	-2.1	0.8	-0.1	0.5	0.7	-0.6	0.5	-0.8	0.5	0
19th	-0.8	0	-0.3	-0.1	0.2	-0.1	0.4	0	0.2	0.1
20th	0	4.4	0.6	-0.4	-1.3	-2.2	-0.2	0.9	-1.1	-2.4

D-835

RUN 37   PT 27

V/OR = 0.050	ALFS,U = -10.00	CLRH/S = 0.099082 CTH/S = 0.100496
VKTS = 20.1	MTIP = 0.604	CXRH/S = 0.016814 CP/S = 0.007482

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	71		682.6		199.5		1106.2		-124.6	
RMS	372		279.1		289.6		242.5		167.4	
1/2 P-P	621.5		590.7		629		495.1		293.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-4.6	521.9	57.8	371.8	132.9	351.9	172.9	238.5	31.5	223.8
2nd	6.3	15.9	6.5	-1.6	14.7	-3.8	20.5	-9.1	42.2	37
3rd	-28.4	-26.6	-32	-32.3	-34.8	-48.7	-36.3	-46.4	-7.7	-11.7
4th	0.7	-1.3	-13.9	7.1	-22.3	6.6	-32.9	5.2	-2.8	-33.2
5th	16	18.8	47.5	80.4	67.9	124.9	78.8	130.8	18.9	6.6
6th	9.3	-9.6	5.5	-0.4	3.4	5.3	-4.7	10.4	0.9	-0.2
7th	22.6	-0.1	13.7	6.4	1.2	8.9	-21.8	4.6	2.1	-0.9
8th	-0.9	-0.3	1	1.5	1.8	0.4	3.7	-0.7	-0.1	-0.4
9th	6.7	12.6	11.9	4.1	3.7	-0.6	-8.1	-4.6	0.1	1.6
10th	3.7	13.1	6.8	7.6	2.1	2.4	-4.1	-7.3	-3.1	-0.2
11th	-31.3	-10.8	-38.7	-12.1	-12.1	0.1	24.9	10.9	-4.9	-1.1
12th	-10.1	9.3	-7.9	11.9	-8.2	8.9	2.3	-4.8	1	0.7
13th	8.2	-4.1	9.6	-10.7	10.4	-8.9	-1.9	2.8	0.7	-0.6
14th	-0.5	1.1	-3.6	-0.3	-0.3	-1.1	1.6	-1.7	-1.9	4.8
15th	-0.1	-0.1	-0.3	-0.8	-3.7	0.3	0.2	0.1	0.8	-1.7
16th	0.8	0.7	-5.1	4.7	-8.8	-1.3	-3.4	1.9	3.3	3.8
17th	1.1	1.5	0.4	-0.6	-0.4	-1.1	-0.6	-1.1	-0.9	0.6
18th	2.1	-0.2	-0.8	0.5	-4.8	5.3	-0.8	-0.2	-2.1	0.2
19th	0.1	1.2	-0.5	-0.2	-2.4	-0.6	-0.3	-1.2	0.5	-1.4
20th	-1.8	-8.9	0.5	0.8	13.2	13.5	4.2	2.7	-0.4	0.3

D-836

RUN 37   PT 28

V/OR = 0.041
VKTS = 16.3
ALFS,U = -10.00
MTIP = 0.605
CLRH/S = 0.098616
CXRH/S = 0.016747
CTH/S = 0.100026
CP/S = 0.007650

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	238.4		73.7		84.3		82.6		90.8	
RMS	65.8		27.1		18.7		83.2		38.4	
1/2 P-P	130		61.8		44.9		123.8		74.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-13.4	86	-19.2	24.1	-20	-5.2	-108.1	-26.9	-21.7	-5.8
2nd	4.1	12.3	1.1	4.1	1.7	1	-29	-15.4	-45.1	-6.7
3rd	-10.3	-3.4	-7.9	1.5	-6.9	2.8	-7.7	7.1	-6.4	-1.6
4th	-4.9	-13.5	-7.6	-9.4	-8.3	-7.4	6.8	9.8	14.6	3.3
5th	3.8	-9	1.4	-3.7	1.9	0.9	-1.6	-1.3	5	1.4
6th	-7.6	-5	-8.6	-0.9	-6.5	0.9	6.5	-1.8	-4.5	-1.1
7th	-1.7	-3.1	-3.3	-2	-2	-0.6	2	-0.1	-3.5	-1.5
8th	-16.4	4.9	-9.9	6.2	-3.1	2.8	-3.7	1.1	-1	1.5
9th	-3.7	-0.8	-1.6	-0.9	0.3	-0.6	-1.5	0	1.2	-0.3
10th	5.8	1.7	4.4	-0.5	0.8	-0.7	3.1	0	-1.7	-0.3
11th	-0.1	-4.6	0.4	-2.3	1.3	0.9	0.3	-1.4	-0.1	0.9
12th	5.9	-1.5	2.6	-2.2	-0.8	0.3	0.6	-1.2	-0.6	1
13th	0.4	-0.1	0.5	0.4	-0.2	0.8	0.4	0.2	-0.3	0
14th	-3.2	-2.2	-0.9	-0.2	1.3	0.8	1.3	0.4	-1.2	-0.8
15th	-0.4	-1.4	-0.6	-0.2	0.3	0.6	0.5	0.6	-0.3	-0.6
16th	-3.3	0.7	-0.4	0.7	1.5	-0.5	1.3	-1.2	-0.9	1
17th	-0.8	-0.7	-0.6	0	0.6	0.1	0.6	0	-0.4	0.3
18th	0.8	1	0.2	0	-0.3	0.1	-0.4	-0.1	-0.3	-0.3
19th	0.5	1.2	0.1	-0.1	-0.6	0	-0.2	0	-0.3	-0.7
20th	2.7	0.3	-0.2	0.1	-1.6	0.8	0.4	-0.3	-1.9	1

D-837

RUN 37   PT 28

V/OR = 0.041	ALFS,U =-10.00	CLRH/S = 0.098616	CTH/S = 0.100026
VKTS = 16.3	MTIP = 0.605	CXRH/S = 0.016747	CP/S = 0.007650

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	68.4		681.6		191.1		1100.7		-137.3	
RMS	356.8		263.5		268.3		223.9		155.3	
1/2 P-P	606.8		556.3		582.4		454.2		273.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-16.9	500.2	44.9	353.2	113.2	328.8	151.8	222.1	28.5	210.1
2nd	-8.6	14.4	-7.2	0.8	-2.2	-0.8	5.4	-4.3	32.6	27.8
3rd	-18.4	-36.6	-21.5	-35.8	-23.4	-45.5	-23.3	-39.6	-4.6	-15.6
4th	9.1	3.4	0.3	9.3	-3.6	9.2	-13	7.4	0.2	-30
5th	16.5	11.8	49.3	74	70.4	118.4	79.6	131.3	9.1	7.2
6th	15.7	-8.3	5	1	-1.3	5.6	-16.9	11.1	2.1	-1.1
7th	8.5	8.3	4.8	4.1	1.6	-0.4	-6.8	-5.1	2.4	0.1
8th	-0.3	-3.4	10.4	-7.3	7.7	-3.6	-3.5	4.9	-7.3	-2.3
9th	-6.3	23.9	2.3	14.3	0.8	1.6	1.1	-14.3	-1.7	1
10th	-11.1	6.2	-11.9	5.8	-3	1.7	9.6	-4.9	-2.6	0.1
11th	-23.5	-8	-22.2	0.8	-12	-2.8	11.3	-0.5	-1.4	-2.3
12th	-10.6	-6.3	-18.2	-2.1	-6.3	-3.5	8.4	0.3	1.8	0.8
13th	8.1	0.6	15.2	-3.4	12.4	-2.2	-3.3	1.6	1.8	-1
14th	-0.6	-0.1	0.5	0.3	-4.5	-0.9	0.5	0.7	-4.6	-2
15th	0.4	0.1	2.2	2.3	0.1	0.9	-0.7	-0.2	1	3.1
16th	0.3	0.1	2.7	-5	-0.9	-2.3	2.1	-1.3	-1.5	-3.4
17th	1.6	-0.9	-0.8	1.1	-3.6	1.8	-0.8	1.1	1.2	1.5
18th	0.4	-0.2	-2	-0.7	-0.8	-0.2	-2.1	-0.4	-0.1	-1.7
19th	1	-0.9	-0.7	0.7	0.9	2.9	-1.8	0.7	0.9	-0.7
20th	4	-2	-3.3	1.6	-2.6	4.6	-7.4	5.9	0.3	1

D-838

RUN 37   PT 29

V/OR = 0.030   ALFS,U = -10.00   CLRH/S = 0.099063   CTH/S = 0.100486
VKTS = 11.8   MTIP = 0.604   CXRH/S = 0.016863   CP/S = 0.008143

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	242.1		75		84.3		70.8		97.8	
RMS	60.5		24.6		16.4		70.8		35.9	
1/2 P-P	111.6		48.7		43.3		107.2		59.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-19.1	81.3	-18.7	24.7	-16.1	-1.9	-92	-26.2	-42	-9.2
2nd	1.6	6.3	0.2	1.6	0.5	-0.6	-14.2	-13.1	-23.8	-8.2
3rd	-2.2	-9.1	-6.3	-0.3	-8.2	3	-7.4	15.8	6.3	4.9
4th	1.8	-5.1	0.3	-4.1	-0.6	-2.9	-1.7	1.5	2.7	0.2
5th	-6.1	1	-8.4	6.2	-9.2	8.6	10.2	-8.4	0.8	-3
6th	5	1.9	3.8	1.2	2.4	1.2	-1.6	-1.1	0.8	0.7
7th	-5.8	-1.1	-3.9	-1.1	-0.8	-0.9	0.1	0.5	-1.1	-0.9
8th	3	0.9	2.7	0	1.8	0.2	0.4	0.5	1.1	-0.5
9th	-1.3	-3.6	-0.3	-2.3	0.9	-0.5	-0.7	-1.4	0.4	0.3
10th	-2.8	1.6	-0.6	1.3	0.8	0	-0.5	1	0.7	-0.2
11th	0.4	3.1	0.5	2.1	-0.2	0.3	0.3	1.4	-0.4	-1.3
12th	-0.5	2.9	0.4	1.6	0.2	-0.5	0.4	0.5	-0.3	-0.7
13th	1.9	-0.9	-0.5	-0.2	-0.9	0.9	-1.1	0.5	1	0.2
14th	0.8	-1.2	-0.1	0	-0.2	0.9	-0.2	0.7	0	-0.7
15th	-1.9	-0.1	-0.8	0.2	0.9	-0.1	0.8	-0.3	-0.9	-0.2
16th	-0.7	0.8	-0.1	0.5	0.4	-0.1	0.1	-0.6	-0.1	1
17th	-0.1	0	-0.1	0	0.2	0	0.1	0	0	-0.1
18th	0.4	0.5	0	-0.2	0.2	0.1	-0.1	0.1	-0.1	-0.6
19th	0.3	0	-0.3	0.1	0.1	0.3	0.2	0	-0.6	0.3
20th	-0.2	-1.3	-0.1	-0.1	0.6	0.8	-0.2	0	0.7	0.8

D-839

RUN 37   PT 29

V/OR = 0.030
VKTS = 11.8

ALFS,U = -10.00
MTIP = 0.604

CLRH/S = 0.099063
CXRH/S = 0.016863

CTH/S = 0.100486
CP/S = 0.008143

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	101.2		709.9		226.4		1130.6		-133.2	
RMS	328.3		237.4		233.6		190.8		137.8	
1/2 P-P	561.8		504.1		506.3		402.3		232.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-44.1	455	19.3	320.5	76.8	294	113	199	24	190.6
2nd	-15.7	2.8	-10.2	-2.4	-6.1	-0.8	3	-1.1	13.7	11.9
3rd	39.8	-60.6	23.1	-56.8	19.7	-64.7	8.7	-54.4	8.9	-22.4
4th	-3.8	2.9	-1.7	7.9	1.1	9.2	2.2	6	5.9	0.4
5th	14.6	4.3	-1.7	63.3	-13.9	101.9	-26	124.2	-4.9	-2.3
6th	2.4	1.2	-7.8	0.2	-14.4	-0.8	-12.9	-1.3	1.2	3.9
7th	-5.5	8.6	2.3	4.3	2.6	1.6	-0.2	-4.2	-4.8	1.6
8th	-0.4	1.6	-2.6	0.8	-3.2	1.6	0.8	1.5	0.3	0.4
9th	-22.3	-0.2	-11.5	5.2	-1.8	2.3	12	-2.7	-0.2	-0.2
10th	-7.4	-0.2	-3.2	-0.6	-2	0.9	3.2	1.2	-1.4	-0.1
11th	6.4	-7.8	3.1	-10.8	3.1	-4.2	-1.4	6.2	1.2	-0.6
12th	6.9	-3.9	6.1	-9	3.7	-2.4	-3.2	4.2	-0.2	1.5
13th	-10.1	7.8	-13.4	19.6	-8.2	12.6	2	-4.5	1.6	0.7
14th	0.4	0.7	2.4	5.1	2.4	3.2	-0.3	0.1	2.6	-2.9
15th	0.9	-0.1	-0.2	-1.7	-3.9	-0.9	-0.2	-0.4	-0.8	-1.2
16th	0.1	-0.5	2.7	4.6	2.5	7.7	0.5	1.5	0.2	2
17th	-1	-0.2	1	0.5	1.2	0.9	0.7	0.1	1.2	0.9
18th	-0.1	2.6	0	-1.3	-0.5	-3.3	-0.8	-2	0	-0.6
19th	2.3	2.2	-1.9	-1.9	-5.1	-3.1	-3.6	-1.9	0.9	0.5
20th	-10	0.3	2.7	-1	11.4	-8.9	10.2	-3.3	-0.8	0.3

D-840

RUN 37   PT 30

V/OR = 0.020   ALFS,U = -10.00   CLRH/S = 0.099144   CTH/S = 0.100590
VKTS = 7.9   MTIP = 0.605   CXRH/S = 0.017004   CP/S = 0.008678

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	245.3		77.4		87.7		61.8		92	
RMS	61.4		32.2		21.3		57.8		28.7	
1/2 P-P	154.1		99.8		70.4		120.8		65.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-18.7	71	-15.4	24.2	-11.2	2.9	-68	-7.6	-36.1	1.1
2nd	0.4	9.7	4.1	8.5	6.1	9	16.9	17.6	-0.8	4.5
3rd	-1.7	-6.4	-9.8	1.5	-14	4.7	-22.7	13.8	-0.7	-1
4th	-3.2	-7.3	-4.4	-5.4	-5	-4.2	2.1	2.5	2	-1.9
5th	.6	-7.5	3	-8.9	1.9	-7.5	-2.7	4.8	1.1	-0.2
6th	-1.2	6.4	1.7	4.8	3.4	2.9	-2.6	-4.3	1.1	0.9
7th	-5.5	4.8	-2.6	5.2	0.7	3.2	-0.9	-2.8	-0.5	3.2
8th	-4.8	-6.7	-4	-3.8	-0.6	-1.1	-1	-1.8	-1	-0.4
9th	-2.4	-1.1	-1.6	-0.2	0.1	-0.2	-1	-0.3	0.3	-0.4
10th	-5.8	-1.7	-3.5	-0.1	0.2	-0.1	-2.6	-0.1	1.9	-0.3
11th	3.4	-11.5	-0.3	-7.1	-0.4	1.1	-0.6	-4.3	0.2	2.7
12th	0.2	3.1	0.9	1.2	0.5	-0.7	0.7	0.2	-0.7	-0.6
13th	-1.2	0.3	-0.1	0.8	0.7	0.1	0.5	0.5	-0.5	-0.8
14th	-0.7	-0.5	-0.5	0	0.5	0	0.1	0.2	-0.4	-0.5
15th	-0.1	0.8	0.1	0.1	0.3	-0.4	-0.2	-0.3	0.3	0.4
16th	-0.3	0	0.2	0.2	0.3	0	-0.1	-0.1	0.2	0.7
17th	-0.1	-1.6	-0.1	-0.4	0.5	0.6	0.2	0.6	0	0.5
18th	0.7	-1.4	-0.1	-0.3	0.4	1.1	-0.1	0.5	0.2	0.7
19th	1.4	-1.5	-0.2	-0.3	0	1	0	0.4	0.1	0.7
20th	1.9	1	-0.3	-0.4	-1	0.1	0.1	0.2	-0.6	-0.2

D-841

RUN 37   PT 30

V/OR = 0.020   ALFS,U = -10.00   CLRH/S = 0.099144   CTH/S = 0.100590
VKTS = 7.9   MTIP = 0.605   CXRH/S = 0.017004   CP/S = 0.008678

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	112.7		727		248.3		1155.7		-138.1	
RMS	279		209		203.6		160.4		108.3	
1/2 P-P	540.6		484.5		499.7		396.6		208.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-51.7	367	1.6	252.5	45.9	220.9	71.5	137.1	16.7	147.1
2nd	-42.9	-3.7	-46.9	-5.1	-59.1	-15.3	-54.7	-21.8	-4.4	2.8
3rd	82.1	-69.4	62	-79.5	67.3	-92.3	49.5	-85	20.2	-11.4
4th	3.7	9.3	0.1	16.2	-1.4	21.2	-5.8	14.6	-4.9	-2
5th	2.3	30.3	1.5	55.7	-3.6	76.9	-3	66.1	3.6	11.8
6th	-14.6	9.3	-0.2	5.4	7.6	2.6	17.2	1	-6.8	2.6
7th	-10.1	-9.8	-1.1	-2.3	5.5	4.4	9.3	14.1	1.6	-1.8
8th	-2	0.3	3.9	5.3	3.8	4.1	0.6	-2.7	-2.5	0.2
9th	2.3	0.6	4	-0.1	1.5	0.1	-1.6	0.1	-0.1	-1.1
10th	3.1	-1	7.6	-1.6	2.2	-1.2	-4.5	0.4	-2.5	-0.6
11th	-0.9	9.3	2.7	17	2.2	1.1	0.1	-13.3	0.4	-0.5
12th	14.1	-7.9	12.9	-17	8.6	-7.7	-4.3	5.8	-1.3	0.9
13th	2.6	6	7.2	6.2	3.8	5	-1.3	-1.8	-0.4	-0.6
14th	0.3	0.9	-0.1	0.4	-1.6	-0.4	-0.6	-1.2	-0.9	0
15th	0	1.1	-0.4	-0.4	-0.4	0	-0.1	-1.4	-0.7	0
16th	0.3	0.4	1	1.3	0.7	1.7	0.3	0.2	-0.6	-1.5
17th	0	1.1	1	0.5	-0.8	-2.8	-0.1	0	0.8	0.3
18th	0.2	0	0.9	0.4	0.1	-2.1	0.1	1	-0.5	-1
19th	-1.2	1.3	0	0.4	0.6	-4.5	-0.5	0.3	0.4	-0.4
20th	2.6	0.5	-3.1	0.2	-2.7	0.4	-6.2	1.2	-0.9	0.2

D-842

RUN 37   PT 31

V/OR = 0.013
VKTS = 5.2

ALFS,U = -10.00
MTIP = 0.606

CLRH/S = 0.098759
CXRH/S = 0.017104

CTH/S = 0.100229
CP/S = 0.008952

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	258.5		87.1		95.4		58.4		94	
RMS	46.7		36		31.1		45.2		27.5	
1/2 P-P	153.8		112.6		85.2		138.1		94.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-15.5	12	-9.6	-0.5	-5.9	-5.7	-6.2	-7.7	-1.8	-5.3
2nd	8.4	-2.2	9.4	-11	12.7	-16.1	36.6	-23.1	14.5	-17.5
3rd	-0.1	5.9	2	12.2	1.6	16.5	-2	12.6	5	-3.3
4th	10.1	5.9	11.7	4	12.2	5.2	-12.8	-4.7	-9.3	-6.7
5th	-14	1.2	-12	4.3	-10	4.8	12.1	-5.7	-4	-0.2
6th	-9.1	9.5	-7	9.8	-4.9	6.8	8.1	-7.9	-7.9	4.7
7th	-14.1	3.4	-9.7	4.9	-3.3	3.3	3.7	-4.2	-4.5	7.2
8th	-4.4	-2	-3.3	-0.4	0.1	1	0.3	-2.2	2.8	3.1
9th	-7.2	-2.4	-4.2	0.4	0.6	1.3	-3.3	0.5	5	0.2
10th	-7.7	1	-4.6	2.3	0	0.7	-3.2	1.4	5	-2.1
11th	-16.2	-16.9	-12.1	-5.2	1.2	2.7	-8.2	-2.4	7.9	0.6
12th	-3.7	-2.6	-1.6	-0.4	1.7	0.8	0.4	0.3	-0.4	-3
13th	-2.2	-1.4	-1	0.2	1.1	1.1	1.3	0.4	-3.4	-2
14th	-2.8	1	-1.2	1.3	0.7	0	0.9	-0.8	-3.8	1.8
15th	-4.8	2.3	-0.9	2.1	1.6	-1.2	1.6	-1.9	-3.6	4.2
16th	-2.4	-8.9	-2.5	-1.4	2.5	3.4	3.4	3.3	-2.7	-0.4
17th	-0.1	-5.6	-1	-1.5	1.2	2.7	1.6	2.2	-0.8	-0.3
18th	-1.7	-2.1	-0.3	-0.1	1.4	1	0.7	0	1.5	0.3
19th	-6.6	-1.5	-0.4	0.5	3.7	-0.8	0.5	-1	5.1	-1.1
20th	-1.3	-9.7	-0.4	0.5	3.8	4.3	-0.7	-1.4	5.1	3

D-843

RUN 37   PT 31

V/OR = 0.013   ALFS,U = -10.00   CLRH/S = 0.098759   CTH/S = 0.100229
VKTS = 5.2   MTIP = 0.606   CXRH/S = 0.017104   CP/S = 0.008952

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	159		760.2		271.4		1177.6		-151.9	
RMS	164.3		163.5		186.9		174.1		53.9	
1/2 P-P	440.5		448.2		527.3		491.9		147.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-29.2	180.7	-5.3	145.7	10.2	140.6	21.4	98.3	-1.6	57.4
2nd	-1	47.6	4	60.6	-11.2	93.1	-14.6	91.3	-12.7	14.3
3rd	-8.2	-62.1	-25.3	-57.1	-32.9	-71.2	-24	-58.8	-4.8	-7.6
4th	-8.7	18.7	7.2	40.4	12.2	56.1	25.8	53.5	7.6	23.5
5th	11.3	-11.9	27.7	-12	44.9	-12.3	37.2	-5.4	-0.5	-3.3
6th	-0.8	-11.2	-16.7	-12.8	-24.9	-11.3	-33.9	-1.3	-1.8	-0.1
7th	2.6	-5.3	4.1	2.4	0.1	12	-8.9	22.8	-1	1.1
8th	-4.8	-0.7	-2	3.9	-2.5	3	-1.2	2	1.2	-1.6
9th	-7.5	-3.4	0.1	-1	0	-2.7	-1.6	1.5	-0.1	-2
10th	7.7	-2.1	11	-3.2	1.9	0.2	-10.5	4.4	2.2	-2.1
11th	17.7	13.4	35.2	18.9	5.1	3	-25.2	-11.5	2.7	-2.8
12th	6.9	-3.5	11.1	-4.7	2	-3.7	-5.6	2.5	-2.5	-4
13th	-1.2	4.4	3.8	8.3	-0.2	5.9	-2	0	-1.8	-0.6
14th	-1.9	-0.6	-3.5	2.4	-6.6	5.7	0.6	1.6	-1.5	-1
15th	-0.9	-1.4	-2.9	0.9	-8.9	8.6	1.1	2.3	-4.3	-3
16th	-0.8	1.1	5	7.9	-5.8	-2.9	1.1	4.3	5.2	0.4
17th	0.1	2.6	2.4	5.8	-4.9	-3.4	-0.5	1.9	-0.7	2.3
18th	-1.3	3	3.1	0.6	-2.6	-3.4	2.3	-1.7	0.6	-0.6
19th	5.1	3.7	1.4	-0.8	-16.7	3.9	0.6	-2.1	-1.4	-2.2
20th	-2.1	4.4	4	3.2	-7.4	-11.9	7.8	5.8	1.5	-1.3

D-844

RUN 33   PT 5

V/OR = 0.251
VKTS = 100.1

ALFS,U = -2.00
MTIP = 0.606

CLRH/S = 0.100112
CXRH/S = 0.003076

CTH/S = 0.100158
CP/S = 0.004032

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	218.5		46.2		50.7		-81		4.3	
RMS	86.8		60.8		68.5		114.3		41.6	
1/2 P-P	188.2		126.9		127.9		212.1		119.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	57.9	35.9	46.4	-29.1	48.5	-68.9	55.4	-92.6	-20	-32.7
2nd	22.1	27.2	-2.2	30.1	-14.8	36.2	-86.2	15.6	-18.6	9.4
3rd	4.6	23.1	6.2	16	5	16.7	-8.6	68.7	-10	14
4th	7.5	-10.6	2.8	-8.1	-0.6	-7.3	-8.2	27.2	4.4	8.5
5th	-4.7	-0.2	-3.5	3.5	-5.1	4.6	6.1	-12.4	8.7	-1.5
6th	-6.5	-2.1	-5.2	-1	-2.4	0.3	4.8	-2.5	-3.9	-8.1
7th	2.2	10.7	3.8	6.2	0.8	2.7	-1.6	-2.5	-7.3	-2
8th	-42.2	5.7	-25.5	9.4	-7.5	2.8	-8.2	-3.6	-6.3	4.6
9th	-11.8	1.6	-7	7.1	-1.4	5.1	-5.9	3.8	7.2	3.8
10th	15.2	5.4	9.6	2.4	-0.1	2.2	4.1	6.7	0.5	-3.8
11th	19.8	79.7	25.2	36.6	-1.5	-8.6	15	21.6	-13.8	-18.6
12th	-5.2	5.4	0.3	3	1.5	-1.3	1.1	-2.6	-3.6	3.4
13th	10.7	-6.8	3.4	-5.1	-2.1	2.6	-0.5	-1.9	3.3	4.3
14th	13.6	-6.5	2.9	-4.3	-4.6	4.2	-2.5	4.1	6.1	-4.9
15th	3.3	-1.6	0.6	-0.7	-2	1.1	-0.7	3.3	-1.7	-5.4
16th	-6.2	-6.4	-3.3	1.6	2.9	1.5	5.3	1.8	-6.9	-1.1
17th	1.4	-5.4	-0.7	-1.3	0.8	2.1	2.2	1.6	-0.6	1.6
18th	1.9	3.8	0.8	0	-1.5	-1.3	0.5	-1.7	2	-0.4
19th	-1.5	13	1.2	0	-2.8	-6.3	-0.5	0.1	-2.2	-8.5
20th	-9.6	-8.5	0.7	0.8	6.9	0.8	-1.1	2	4.5	-0.5

D-845

RUN 33   PT 5

V/OR = 0.251   ALFS,U = -2.00   CLRH/S = 0.100112   CTH/S = 0.100158
VKTS = 100.1   MTIP = 0.606   CXRH/S = 0.003076   CP/S = 0.004032

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	44.2		716.6		328.2		1323.3		-147.6	
RMS	429.1		403.7		494.5		442.5		191.9	
1/2 P-P	683.2		735.1		897.1		842.3		329	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	85.3	572	-38.3	467	-156.2	528.3	-189.3	388.8	129.9	211
2nd	102.1	-37.6	98.4	-78.9	138	-131.6	150.4	-144.4	70.5	49.3
3rd	-0.2	20.8	-63.3	28.7	-113.7	25.5	-112.6	-5	2.5	9.2
4th	23.8	82.2	49.3	170.8	62.2	242.6	55.9	241.1	6.1	-43.6
5th	-78.2	-44.2	-173.2	39.3	-242.6	89.4	-244.1	114.1	-17.9	-4.1
6th	-19.7	12	-29.7	13	-42.2	3.5	-43	-14	-27.3	-4.5
7th	-6.3	-21.2	1.4	4.4	17.1	31.4	26.5	35.6	-3.8	4.7
8th	4.2	2.5	35.3	-9.3	23	-6.7	-11	-5.4	-17	3.8
9th	17.1	-19.5	19	-18.6	10.6	-11.9	-10.3	16.6	6.4	-9.7
10th	-3.9	-13.2	-17.5	-7.9	-1.2	-3.8	6.5	17.5	4.3	0.5
11th	6.9	-73.1	-45.9	-119.8	2.5	-15.6	27.4	87.3	-14.8	17.7
12th	21.7	-14	21.4	-26.7	11.7	-9.5	-5.4	8.6	-2.3	-4.7
13th	-5.6	8.9	-10.6	21.2	0.4	1.9	3.9	-9.4	2.9	8
14th	2.3	-3.2	-8.1	5.1	7.6	-12.7	-3.2	0	16.5	3
15th	0.3	0.8	-3.6	3.7	3.2	-1.3	-6.9	1.8	0.5	3.9
16th	1.7	1	14.1	3.7	1.9	3.6	0.3	4.8	13.8	-16.4
17th	-0.8	-0.9	2	2.9	-1.9	-3.7	0.2	1.7	-7	4.2
18th	1	-5.9	-2	-0.4	5.8	8.4	-1.6	1.7	-3.8	-7.3
19th	2.7	-8.1	-6.6	-3.5	6.7	25.6	-7.8	-7.7	-3	8.7
20th	-3.4	2.6	6	-3.2	-10.5	-7.5	20.4	-5.4	-4.9	-11.2

D-846

RUN 33   PT 6

V/OR = 0.201   ALFS,U = -2.00   CLRH/S = 0.100315   CTH/S = 0.100369
VKTS = 80.2   MTIP = 0.606   CXRH/S = 0.003306   CP/S = 0.004098

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	222.3		48.2		88.2		-72.1		5.4	
RMS	92.9		54.3		53		96.7		43.8	
1/2 P-P	217.8		142.1		108		206.4		128.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	41.2	47.1	27.1	-15.8	25.5	-51.6	15.9	-76.9	-16.5	-25.9
2nd	25.5	22.5	1.1	15.3	-14.4	15.7	-75.6	6.9	-21.6	5.1
3rd	-2.8	12.1	-5.3	12.3	-10.9	18.9	-15.1	68.3	-8	12.2
4th	-7.7	-19	-11.3	-13.4	-12.5	-9.2	-0.2	12	13.7	4.9
5th	-5.8	2.6	-5.1	8.9	-6.4	12.4	6.8	-17.2	4	-8.6
6th	-20.5	2.9	-13.2	7.3	-5.9	4.9	9.1	-5.4	-11.3	-2.5
7th	15.1	6.3	10.3	3.8	7.2	2.9	-0.7	-3.4	0.7	6.7
8th	3.5	44.9	10	30.3	6.3	12.4	-5.2	3.2	12.8	10.9
9th	2.3	22.1	9.9	11	5.5	0.5	0.6	3.4	6.5	-3.2
10th	12.8	-0.5	10.1	-2.3	2.3	-0.9	10.7	-3.4	-10.7	-1.2
11th	60.3	-54.4	21.9	-38.6	-5.9	5.6	16.5	-23	-17.4	19.4
12th	30.8	9	13.6	-2	-7	-0.6	1.8	1	0.6	2.8
13th	4.5	2.2	1.9	-1.5	-1.1	-0.9	-4.9	1.3	6.9	-2.6
14th	-15	-8.8	-6.1	-0.2	6.3	1.9	3.8	-0.1	-3.9	-4.5
15th	-18.8	-21.2	-10.9	-2.6	9.4	5.9	14	1.8	-13.7	-0.9
16th	8.7	0.7	3.8	-1.9	-1.8	1.8	-0.9	0.2	-0.4	5.2
17th	-10.7	11.2	0.6	2.4	2.8	-4.8	0.6	-2.5	-0.2	2
18th	-17.1	4.1	0.4	1.5	5.9	-5.3	-1.2	-0.1	3.7	-7.4
19th	-7.8	-12.8	0	-0.6	6	3.6	-1	0.5	5.7	-2
20th	16.5	24.2	-0.2	-3.6	-13.6	-6.9	2	0.6	-13.6	-9.4

D-847

RUN 33   PT 6

V/OR = 0.201   ALFS,U = -2.00   CLRH/S = 0.100315   CTH/S = 0.100369
VKTS = 80.2   MTIP = 0.606   CXRH/S = 0.003306   CP/S = 0.004098

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	53.3		718		328.3		1326.4		-137.4	
RMS	413.2		361.1		415.2		361.3		190.9	
1/2 P-P	677.5		731.5		838.4		797.3		348	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	73.7	554.6	0.3	434.4	-58.9	466.1	-89.4	332.8	99	222.4
2nd	113.9	-0.4	102.4	-36.6	145.5	-62.6	155	-81	73.5	52.9
3rd	38.9	-26.6	-13.7	-26	-32.7	-52.5	-42	-66.6	11	-11.8
4th	7.8	70.4	20.8	148.7	22.6	201.4	15.5	180.5	-12.7	-45.2
5th	-43.6	-23.6	-102.4	88.4	-149.9	155.3	-162	185.1	-22.4	-6.6
6th	-19	-4.8	2.9	4.6	8.9	12.4	10.2	14.2	-21.3	1.4
7th	-6.1	-22.9	-10.5	-0.6	-12.7	17.9	16.8	28.4	3.1	11.9
8th	-8.3	-12	-11.7	-27.7	-9.9	-17.3	1.1	18.3	-3.6	10.3
9th	-9.8	10	-8	-0.9	-4.1	2.5	11.7	-5.8	0.9	-5.9
10th	13.5	-9	1.7	-5.2	2.6	-0.2	19.2	2.5	-3	4.4
11th	-60.2	38.4	-75.6	100.4	-15.5	5.9	60	-70.6	5.3	1.3
12th	14.2	3.9	-10.2	-2.7	17.4	-6.4	-1.1	-1	9.9	12.6
13th	10.7	-6.4	5.7	-13.1	7.7	-9	-6.9	1	6.2	5.5
14th	1.4	-4.1	9	-4.6	-17	-6.2	4.6	1.9	0.4	-18.7
15th	5.4	-1.3	19.2	4.2	-27.7	-12.5	5.1	7.3	19.2	-2.5
16th	-2.8	-0.4	-13.1	4.5	-4.5	-6.6	-1.9	4.1	-25	-2.4
17th	1.4	-0.2	-0.2	-5.2	-8.2	13.7	2.5	-7.1	-3.7	-8.3
18th	0.1	-6.7	8.5	-0.9	-3.2	22.7	13.8	-8.2	-6	7.5
19th	-0.3	4.9	4.1	2.2	-16.9	-11.3	11.6	2.6	-2.3	-2.1
20th	-12.7	-15.6	-4.7	0.1	61.3	19.4	-12.5	-9.5	4.2	20.3

D-848

RUN 33   PT 7

V/OR = 0.150	ALFS,U = -2.00	CLRH/S = 0.100324	CTH/S = 0.100376
VKTS = 60.0	MTIP = 0.607	CXRH/S = 0.003250	CP/S = 0.004469

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	225.3		48.7		60.8		-54.2		14.6	
RMS	70.8		43.8		50.1		96.5		40.7	
1/2 P-P	147.7		107.4		95		196.9		106.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	28.2	52.6	7.9	-4.3	-1.9	-33	-29.9	-61.6	-16.2	-22.3
2nd	26.1	9.6	0	2.1	-16.6	2.8	-63.8	0.1	-29.9	1.8
3rd	-20.3	16.7	-23	26.9	-30.7	35.7	-37.1	81.8	-5	16.3
4th	-27.6	-29.1	-27.9	-13.3	-26.3	-4.9	13.1	17.1	22.1	2.7
5th	-5.4	-1.3	-4.3	9.5	-3.4	17.9	9.3	-23.7	1.2	-11.5
6th	-22.6	3.9	-14.7	7	-10	5.8	7.4	-12.2	-14.1	-1
7th	-12.2	1.5	-7.1	5	-1.9	3.1	-0.9	1.3	-6.1	5.3
8th	-6.7	19	-2.1	16	0	9.3	-2.9	4.6	6.5	5.4
9th	-8	11.8	-1.9	8.9	-2.1	2.2	-5.2	2.9	6.2	-3
10th	4	8.4	4.2	6.5	-0.6	-0.7	1.3	3.8	-2.4	-3.3
11th	17.6	41.7	17.3	18.3	0.3	-5	14	11.1	-11.9	-7.1
12th	-0.9	5.2	1	1.8	-0.1	-1.1	3.6	-0.6	-3.1	0.8
13th	6.4	-1.9	3.4	-1.8	-2.2	0.4	-0.8	-0.3	1.4	-1
14th	5.3	1.6	1.1	-1.8	-2.4	-1.3	-4.5	0.8	6.1	-2.2
15th	-6.9	-7.2	-3.5	-0.7	3	2.3	2.9	2	-1	-2.8
16th	6.5	-5.5	0.2	-1.5	-2.6	3.4	-0.1	3.2	-1.7	-0.8
17th	2.7	1.5	1.3	-0.6	-1.2	0	-0.5	1.4	-2.2	0.6
18th	-3.8	3.5	0.5	0.9	0.8	-2.3	-0.4	-0.4	1.3	-1.2
19th	-10.7	-1.6	-0.2	0.7	5.4	-1.9	-1	-1.4	7.2	-2.5
20th	8.2	0	-0.9	0.2	-4	2.8	0.5	-1.5	-4.6	2.5

D-849

RUN 33   PT 7

V/OR = 0.150   ALFS,U = -2.00   CLRH/S = 0.100324   CTH/S = 0.100376
VKTS = 60.0   MTIP = 0.607   CXRH/S = 0.003250   CP/S = 0.004469

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	67.4		727.5		357.7		1316.8		-141.4	
RMS	402.4		347.4		400.3		365.7		192.3	
1/2 P-P	704.8		734.2		805.8		749.7		356.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	92.7	533.4	64.1	398.9	72.3	399.9	43.2	278.5	85.7	224.7
2nd	112.4	-21.3	103.5	-47.3	156.9	-66.9	152.1	-75.5	79.9	32
3rd	28.7	-90.6	-25.5	-94.7	-34.3	-139.4	-66.8	-127.7	7.1	-32.7
4th	-6.2	46.4	-4.3	147.7	-7.7	202	-30.6	216.8	-27.1	-72.1
5th	-44	-16.1	-67.5	135.6	-95.5	222.8	-88.1	266.3	-11.4	-4.7
6th	-23.7	-9.1	-12.7	22.3	-5.5	44.2	-17.9	50.4	-16.7	16.4
7th	-6	-30.7	-0.7	-0.2	-2.6	29.9	-4.4	47.8	-5	8.6
8th	6.3	-2.8	13.1	-12.3	10	-16.8	3.5	8.5	13.7	2.2
9th	5.5	0.6	10.3	-8	17	-3.5	-5.2	8	6.7	0.4
10th	13.5	-7.7	4.3	-16.1	8.2	3.3	2.6	12.3	-3.5	-10
11th	-26	-49.2	-58.4	-69.4	-16.2	-14.7	49.4	47.7	-9.5	4.9
12th	10	10.9	10	0.9	4.2	0.6	-2.8	-1	-4.4	3.1
13th	10.1	1.1	6.3	-0.5	12.3	-2.1	-5.2	-6.5	-0.1	-0.4
14th	2.1	1.1	-1.7	-6.2	7	-4.8	-0.5	-5	13.3	16
15th	-1.4	-1.4	6.3	1.9	-5.6	-5.1	6.3	4.7	-3.1	-4.2
16th	-2.8	-0.5	-19.1	7.6	-13.7	-7.4	-7.9	6	6.7	-6.9
17th	0.5	4.1	-2.3	0.6	2.2	-4.7	-4.7	-4.1	-3.8	-0.6
18th	4.1	-0.2	-0.7	-3.4	-5.5	4.6	1.9	-5.7	-4.6	1.5
19th	4.7	4.2	2.2	-3.9	-19.7	1.7	9.4	-3.8	-3.8	-3.5
20th	14.5	1.2	-8.5	5.1	-13	4.6	-25.3	15	12	5.7

D-850

RUN 33   PT 8

V/OR = 0.126   ALFS,U = -2.00   CLRH/S = 0.100869   CTH/S = 0.100913
VKTS = 50.2   MTIP = 0.606   CXRH/S = 0.003028   CP/S = 0.004842

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	227.7		50.6		59		-43.4		24.1	
RMS	94.6		66.7		61.2		109.8		47.2	
1/2 P-P	242.6		175.7		130.7		213.3		116.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	18.8	56.3	-0.4	1.7	-10.6	-26.4	-47.3	-57.1	-16.3	-22
2nd	25.4	4.2	-1.5	-6.5	-15.7	-7.8	-70	-9.4	-37.4	-1.3
3rd	-35.7	18	-39.1	32.7	-43	41.5	-52	90.7	-9.8	17.6
4th	-39.3	-35.1	-40.8	-16.1	-39.3	-4.7	24.6	14.9	26.6	2.7
5th	7.3	-5.1	6.6	6.6	3.6	14.8	0.9	-25	6.1	-11.7
6th	-33.1	6.3	-25.3	12.8	-13.7	10.9	14.9	-13.3	-9.7	-1.5
7th	-31.4	-26	-26.1	-11.9	-14	-3.4	4.1	-2.6	-16.1	0.6
8th	12.5	34.6	14.4	25.1	5	9.1	-1.4	4.7	2.2	8.3
9th	-21.8	15.9	-10.9	15.7	-0.2	5	-8.2	7.7	6.5	-2.6
10th	-13.6	-11	-9.7	-3	0	0.5	-5.7	-2.5	7.6	-0.6
11th	51.4	33.4	32.2	6.7	-4.7	-6.5	19.8	1	-14.8	-2.2
12th	-20.4	5.9	-7.8	5.4	4.9	-2.2	-1.8	2.6	-2.7	1.8
13th	-5.2	-10.8	-3.5	-3.1	2.1	3.6	0.3	2.9	-3.4	-1.7
14th	11.6	1.6	3.1	-3.4	-4.4	-0.4	-4	-1.3	6.3	-2.6
15th	-2.7	22.8	6	6.1	-0.6	-9.2	-2.5	-10.6	6	6.7
16th	-11.4	-7.8	-4.5	1.3	4.9	2.3	6.6	2.2	-3	0.8
17th	10.3	1.6	2.3	-0.3	-5.3	1.5	-6.2	1.9	-0.7	2.3
18th	3.7	8.5	0.7	1.2	-4	-2.9	-2.9	-2.5	-4.7	-0.8
19th	-11.6	0.3	-0.3	1	5	-3.5	1.9	-1.9	4.6	-4
20th	15	-5.6	-1.7	0.4	-5.4	6.8	3.4	-0.8	-5	6.5

D-851

RUN 33   PT 8

V/OR = 0.126   ALFS,U = -2.00   CLRH/S = 0.100869   CTH/S = 0.100913
VKTS = 50.2   MTIP = 0.606   CXRH/S = 0.003028   CP/S = 0.004842

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	66		725.4		329.1		1304.4		-153.8	
RMS	395.8		352.8		410		385.7		195.9	
1/2 P-P	737.9		755.4		848.6		806.2		425.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	114.3	509.5	101.1	370.3	131.3	366.8	110.1	247	76.5	225
2nd	106.9	-2.1	106.8	-24.9	161.7	-34.8	164.7	-47.3	87.8	31.9
3rd	21.5	-138.6	-30.7	-146	-41.8	-197.2	-78.2	-185.6	3.3	-37.9
4th	-2.6	45	-15.7	156.5	-27.1	209.6	-69	228.4	-34.9	-78.1
5th	-39.9	-3.3	-60.1	149.4	-75.9	242.3	-53.8	283.3	7.4	7.9
6th	-13.4	-25.8	-2.9	6.6	-9.7	29.2	-17.2	43.3	-17.3	10
7th	13.6	-28.5	15.3	19.7	1.3	48.7	-43.7	49.3	-8	-1.1
8th	1.5	-0.6	-6.1	-21.4	4.5	-9.8	15.9	19.3	14.6	10.6
9th	7.9	-0.6	23.5	-14.8	11.5	-7	0.6	12.9	-0.6	0.9
10th	25.5	16.6	35.8	14.9	12.8	5.2	-16.7	-9.2	-1	-15
11th	-48.5	-31.8	-96.1	-34.7	-14	-2.2	65.2	21	3.3	13.4
12th	16.2	30.1	41.1	15.5	4.3	15.5	-16.6	-12.1	-10.2	-1.6
13th	5.1	-2.7	9.7	0.9	-3	-9.7	-2.2	0.4	2.9	-11.1
14th	2.2	0.3	-0.1	-1.8	15.6	-3.6	-2.2	-1.8	12.2	15.4
15th	-3	-3.1	-8.9	-10.9	6.2	24.1	8.4	-6	-28.5	-0.3
16th	0.7	-2	-6	-6.6	-27.3	-10.6	-0.4	2.3	21	-11.5
17th	-1	1.7	-5.2	0.2	14.7	-9.1	-6.3	2.4	1	-0.8
18th	3.3	-0.2	-5.4	-2.9	6.2	5.7	-8.6	-5.1	0.8	3.9
19th	2.9	1	4.5	-3.5	-12.6	9.6	9.4	-5.7	-6.7	-4.9
20th	13.2	9.1	-9.1	5	-16.3	-16.9	-32.4	15.1	13	1

RUN 33   PT 9

V/OR = 0.107   ALFS,U = -2.00   CLRH/S = 0.099737   CTH/S = 0.099783
VKTS = 42.5   MTIP = 0.605   CXRH/S = 0.003040   CP/S = 0.005183

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	228.7		53.6		63		-30.1		33.1	
RMS	107.9		79.8		70.9		120.8		51.1	
1/2 P-P	302.6		225.8		161.7		234.2		125	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	14.9	59.7	-8.1	4.9	-18.5	-21.1	-60.4	-52.1	-17.1	-24.5
2nd	25.9	2.5	-0.7	-7.3	-12.7	-12.7	-78.7	-18.1	-41.4	-6.6
3rd	-48.3	16.7	-51.2	36	-55.4	50.9	-65.9	96.2	-16.4	19.3
4th	-41.1	-39	-43.3	-18.2	-40.4	-9.4	24.5	14.7	25.6	6.6
5th	21.4	-6	15.8	3.4	11.7	13.4	-8.6	-18.3	9.5	-9.2
6th	-37.6	-3.7	-30.7	6.7	-19	8.5	17.5	-9.6	-5.3	-2.3
7th	-24.3	-48.8	-25.9	-29.9	-13.1	-12	7.9	-4.5	-18.3	-6.3
8th	9.4	54.7	14.5	38.3	5.4	14	1.5	10.3	-2.1	10.4
9th	-26.3	4.3	-16.3	9.3	-1.8	4	-11.6	4.3	7.1	-1.5
10th	-5.2	-24.3	-7.7	-12.3	-0.9	1.3	-5.8	-11.1	9.7	4
11th	38.5	51.9	29.4	18.9	-3.9	-6.8	19.4	8.7	-12.1	-6.1
12th	-22	-8.5	-10.2	-0.5	5.3	0.7	-2.6	1.3	-3.2	2.3
13th	0.2	-11.8	-2	-4.1	-0.1	3.9	-1.3	2.2	-3.6	-3.3
14th	7.6	6.1	4.5	-0.4	-3.2	-2	-2.7	-1.9	4.4	-1.9
15th	-10.6	15.9	1.7	6.6	2.8	-7.2	1.3	-8.4	3.1	7.5
16th	-3	-9.9	-2.8	-1.6	2.2	3.8	3.7	3.8	-0.8	1.3
17th	3.9	3.1	0	0.4	-2.6	-0.7	-1.6	-0.4	-2.8	1.4
18th	0	6.9	-0.8	0.6	-2	-3.2	-0.7	-1.4	-4.5	-3.4
19th	-5.8	4.1	-0.3	-0.1	1.4	-4	0	-0.8	1.5	-5.8
20th	6.7	1.4	-1.3	-0.1	-3.9	1.2	1.8	0	-3.1	1.7

D-853

RUN 33   PT 9

V/OR = 0.107   ALFS,U = -2.00   CLRH/S = 0.099737   CTH/S = 0.099783
VKTS = 42.5   MTIP = 0.605   CXRH/S = 0.003040   CP/S = 0.005183

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	69.5		720		317		1281.6		-162.3	
RMS	395.6		375.1		457.2		439.9		195.2	
1/2 P-P	781.2		819		930.7		902.1		361.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	117.1	488.6	122.4	348.6	170.8	338.5	158.4	220	66.3	225.7
2nd	104.3	7.3	109.2	-19.1	163.2	-14.6	167	-25.7	92.2	32.4
3rd	25.8	-195.4	-37.8	-206.9	-47.4	-283.5	-92.1	-256	3.7	-41.5
4th	-16.2	42.7	-53.5	156.6	-88.4	219.7	-127.3	233.9	-31.4	-78.6
5th	-53.8	4.2	-87.9	181.7	-120.4	290.9	-95.9	334	14.2	28.3
6th	-0.1	-29.2	0.3	14.2	-8.2	41.1	-35.6	67.5	-13.9	7.9
7th	18.7	-16.7	13.5	38.2	-13.2	56.6	-53.2	28.3	-4	-5.8
8th	10.2	-1.4	0.7	-33.1	7.5	-16.7	22.5	25.3	13.8	13.8
9th	12	9.2	33.7	-2.9	18.1	-2.3	-8.3	6.2	-0.5	1.5
10th	18.7	29.2	28.8	37.4	12.2	8.6	-14.3	-26.1	4.2	-13.5
11th	-42.1	-46.7	-91.3	-64.3	-14.2	-7.6	63.6	41.2	4.2	11.4
12th	-5.7	16.1	15.2	18	-12.9	6.1	-8.2	-9.6	-8.5	-7.9
13th	-1.4	4.6	3.1	14.3	0.3	-3.7	-3.4	-5.6	2.1	-4.9
14th	0.6	1.5	0.7	-1.4	15.2	3.1	0.9	-3	-0.7	6.6
15th	-2.4	-0.6	-6.2	-7.7	-9.5	22.4	6.1	-0.1	-20.6	-7.6
16th	1.4	-1.6	-1.2	-1.9	-13.9	-13.3	-0.9	2.4	10.1	4.3
17th	1.5	2.6	-0.9	-0.8	5.7	-0.9	-5	-2.3	3.5	3.6
18th	3.1	1.7	0.3	0.7	4.1	12	-4.8	-4.6	-2.5	5.3
19th	4.8	0.1	0.2	-2.9	-8.4	10.8	-0.7	-5.1	-4.7	-3.5
20th	17.2	23.8	-14.4	-4.2	-39.7	-21.2	-40.9	-10.8	6.3	1.6

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RUN 33　　PT 10

V/OR = 0.060	ALFS,U = -2.00	CLRH/S = 0.099440	CTH/S = 0.099461
VKTS = 24.0	MTIP = 0.608	CXRH/S = 0.002338	CP/S = 0.006484

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	238		65.1		81.8		49.3		99.8	
RMS	88.6		60.4		53.5		119.5		59.4	
1/2 P-P	195.5		158.2		120.3		225.1		132.5	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-7.3	77	-23.2	16.9	-31.4	-11.3	-94	-25.9	-12.1	-6.6
2nd	22.5	11.2	5.2	-2.9	1.5	-8.7	-106.1	-39.5	-54.8	-3.9
3rd	-36.1	12.3	-38	24.1	-41.5	29.3	-41.1	56.8	-34.8	4.7
4th	-34.5	-23.6	-34	-10.2	-32.4	-5.3	20.2	9.7	28.8	-2.4
5th	36	-31.3	22.7	-25	14.7	-13.7	-15.7	11.8	22.8	2.2
6th	-14.7	5.4	-12.3	8.1	-8.1	6.5	8.7	-6.5	2.2	5.4
7th	-12.2	-40.9	-16.2	-27.3	-9.3	-11.4	7.2	-0.9	-24.4	-6.5
8th	22.8	11.6	16.7	4.5	5.3	1.5	4.9	3.8	-4.6	-1.5
9th	-7.8	1.5	-6.3	1.4	-2	0.3	-2.8	0.3	2.1	-5.3
10th	-9.8	-7.6	-8.7	-4.1	-1.2	-0.7	-5.4	-2.3	9.8	0.4
11th	-1	-24.6	-5.8	-14	-1	1.4	-4	-8.3	5.9	8.5
12th	-3.5	-5	-2.8	-2.3	0.8	0.1	-1.8	-0.7	-0.1	3
13th	-6.6	-2.5	-3.7	1	1.3	1.2	-0.1	1.3	-1.9	-1.2
14th	-6.4	-1.6	-2.4	1.5	2.1	0.3	1.7	0.2	-6.2	2.7
15th	6.8	9.5	3	1.5	-3.7	-2.4	-4.8	-2.3	5.4	1.4
16th	-5.7	6.4	0.9	2.7	1.8	-3.2	0.7	-4.7	2.4	2.5
17th	-4.3	-0.6	-1.1	0.5	2.1	0.1	1.6	-0.8	-0.7	0.8
18th	3.2	-2	0.1	-0.9	-1.1	1.6	-0.5	1.1	-3.2	-0.1
19th	7.3	4.2	0.7	-0.7	-4.5	0.3	-1.3	0.7	-4.1	-0.4
20th	-4.6	0	0.2	0.3	1.7	-1.5	-0.6	0	2.8	-0.6

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RUN 33   PT 10

V/OR = 0.060	ALFS,U = -2.00	CLRH/S = 0.099440	CTH/S = 0.099461	
VKTS = 24.0	MTIP = 0.608	CXRH/S = 0.002338	CP/S = 0.006484	

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	93		713.6		228.1		1164.1		-227.3	
RMS	384.1		344.4		414.7		388.6		188.7	
1/2 P-P	712.7		746.3		874.2		859.3		351.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	74.6	509.3	127.4	356.8	213.1	341.1	245.1	225.8	39	225.7
2nd	85.3	25.4	79.2	0.3	99.8	6.4	99.6	-1.7	98.5	44.5
3rd	6.5	-117.7	-46.6	-144.4	-58.6	-196.2	-88.5	-180	4.9	-16.6
4th	-31.5	11.8	-89.1	64.8	-132.1	86.2	-159.8	97.8	-41.4	-57.8
5th	-46.6	38.7	-108.9	182.5	-159.9	273.9	-143.3	278.9	28.8	22.3
6th	7.4	-27.2	-4.5	-19.6	-8.5	-10.1	-22	11.7	-3.2	10.6
7th	25.7	10.5	10.9	34.6	-14.9	35.6	-52	0.6	-6.1	3.5
8th	3.8	3.2	-8.9	1.3	-0.5	5	20.4	9.3	2.6	0.4
9th	8.2	19.7	12.2	9.8	5.1	5.2	-7.6	-2.1	5.3	5.9
10th	15	31.5	25.2	24.9	7.7	8.7	-19	-16.4	2	5.7
11th	-1.4	22	11	38.6	2.1	6	-6.4	-29.7	0.5	2.6
12th	-16.9	9.7	-12.9	18.1	-12	6.7	5.5	-8	-7.1	3.1
13th	-5.8	3.5	-2.8	11.1	-10.5	7.6	-2.3	-1.6	4.8	-3.5
14th	1.6	-0.6	10.5	-0.1	0.4	2.1	-1.9	3.3	1.5	-3.9
15th	1	2.4	-10.9	3.9	3.5	12.3	-3.3	-2.3	-1.1	7.5
16th	-0.4	-0.7	11.3	-10.7	11.6	3.2	7.3	-4.4	-2.2	-6.8
17th	1.7	-0.5	2.8	-0.8	-4.8	2.5	1.7	0.2	1.5	-1.4
18th	0.7	2	-0.5	0.9	0.5	-7	-2.7	2.4	0.9	-0.4
19th	-4.3	-4.6	-2.7	2	17.8	2	-4.2	1.6	-0.6	4
20th	5.4	6.7	-1.3	-2.8	-15.8	-1.4	-5.7	-8.2	-0.7	-3.6

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RUN 33   PT 11

V/OR = 0.050   ALFS,U = -2.00   CLRH/S = 0.099999   CTH/S = 0.100022
VKTS = 20.0   MTIP = 0.607   CXRH/S = 0.002401   CP/S = 0.006848

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	238.8		69.3		87.1		76.5		156.2	
RMS	82.1		48.8		40.1		109.7		50.5	
1/2 P-P	158.8		116.7		98.2		194.6		105.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-13.4	81.9	-23.9	20.1	-29.6	-9.4	-105.6	-28.1	-12.1	-5.5
2nd	14.5	12.6	3.4	0.5	1.4	-4.7	-93	-31.8	-56.8	-9.6
3rd	-29.8	1.5	-26.4	11.3	-26.5	15.2	-17.9	31.2	-25.3	-1
4th	-23.7	-22.9	-22.9	-11.4	-21.8	-6.8	13.2	9.8	20.1	1.3
5th	37.2	-15.9	29.1	-14.6	21.8	-7.2	-23	7.8	11.6	6.5
6th	-7.3	0	-5	2.5	-2.9	2.7	2.9	-4	0.3	3.4
7th	-0.6	-31.2	-5.5	-22.3	-3.1	-9.7	3.9	1.2	-9.4	-7.1
8th	18.5	4.1	13.3	0.2	4.1	0.4	4.1	1.8	-1.3	-3.8
9th	0.8	-1.1	-0.8	-2.3	-1.1	-1.4	0.4	-1.2	1.2	-2.2
10th	-11	-7.3	-7.9	-2.7	-0.1	0.1	-5.4	-1.5	5.9	2.1
11th	4.4	-30.7	-3.7	-17.3	-1.3	3.4	-3.1	-10.3	1.6	9.6
12th	-5.7	1.7	-1.9	1.6	1	-0.7	-0.6	0.8	-0.7	-0.6
13th	-6	-6.1	-3.3	0.5	1.7	2.7	0.6	2.4	-1.7	-2.4
14th	-1.6	-5.9	-1.3	-0.5	0.7	2.6	0.9	2.2	-0.5	-2.3
15th	3.7	9.3	3.2	1.7	-2.5	-3.1	-3.2	-3.2	3.2	2.8
16th	-10.1	-0.7	-2.2	2.5	4.5	-1	4.8	-2.5	-2.1	1.7
17th	-1.1	-0.9	-0.5	0.3	0.9	0.7	1	0.1	-0.2	0.8
18th	3.7	2.4	1.3	-0.1	-2.3	0	-1.8	0	-0.8	0.5
19th	1.7	6.3	1.1	-0.4	-2.2	-2.3	-1.2	0.1	-1.7	-3.1
20th	2.4	-4.1	-0.7	0.3	0.1	2.4	0.5	-0.4	-0.3	2

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RUN 33   PT 11

V/OR = 0.050   ALFS,U = -2.00   CLRH/S = 0.099999   CTH/S = 0.100022
VKTS = 20.0   MTIP = 0.607   CXRH/S = 0.002401   CP/S = 0.006848

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	80.3		689.5		191.6		1109.8		-249.3	
RMS	372.1		301.7		339.8		306.8		179.8	
1/2 P-P	635.3		594.7		684		662.9		345.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	27.8	510.8	93.3	358.1	181.6	340.5	229.3	229.8	27	224.1
2nd	48.5	19.3	45.6	-4.3	60.4	-1.4	63.5	-7.2	75.8	42 2
3rd	-29.1	-87.6	-56.4	-100.8	-64.5	-134.5	-76.6	-123.1	-11.5	-24.1
4th	-18	-8.5	-54.9	16.8	-78.7	19.8	-97.2	25.6	-21.5	-55.5
5th	-44.9	24.1	-72.7	127.2	-97.8	194.2	-67.9	199.4	21.7	32.2
6th	3.3	-18.2	-0.2	-7.7	-1.3	0.2	-6.8	12.3	-1.7	0.6
7th	10.3	11.3	5.2	26.3	-5	20.4	-19.4	-12.5	-4.2	-2.8
8th	0.5	0.4	-11.6	2.2	-5.2	2.2	12.9	0.8	9.9	-1.9
9th	-3.1	11.1	-2.1	7.4	-0.6	3.3	0.5	-3.5	0.9	11
10th	7	14.5	16.8	13.4	3.7	3.7	-11.9	-10	-1.4	-2.5
11th	-9.4	15.8	0.1	41.1	-0.3	1.9	0.1	-31.8	4.9	-1.5
12th	-3.9	-5.7	-3.4	-7	-5.9	-0.8	1	5.3	-2	-1
13th	-3	9.4	6.1	22.3	-4.4	11.2	-3.6	-2.7	3.3	-6.2
14th	0	-0.3	6.8	1.4	2.1	-6.1	-1.5	2	2.7	-5
15th	0.1	0	-4.7	3.4	7.2	15.1	0.6	-1.9	-5.5	9.2
16th	0.7	-1.3	10.5	-13.4	-3.7	-6.8	5.2	-0.3	6.7	-6
17th	0.1	-0.7	0.8	0.7	-1.2	0.6	0.3	1.1	0.7	0.9
18th	-2.2	1.7	-1.6	-1.1	8	-3.9	-2.1	-1.5	-0.8	-0.9
19th	-3	-1.7	-2.9	-2.1	8.7	3.6	-2.2	-4.8	-5.4	2.5
20th	-0.9	1.6	1.7	1.8	0.2	-8.1	1.3	3.7	4	-2

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RUN 33　　　PT 12

V/OR = 0.040	ALFS,U = -2.00	CLRH/S = 0.099980	CTH/S = 0.100006
VKTS = 16.0	MTIP = 0.604	CXRH/S = 0.002490	CP/S = 0.007162

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	238.4		72.2		91.1		100.7		165.3	
RMS	68.7		34.4		26.9		103.1		41	
1/2 P-P	128.1		69.7		55.5		164.7		84.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-19.8	80.6	-24.1	21.3	-25.3	-6.7	-123.9	-23.8	-12.8	-4.7
2nd	7.2	11.9	1	2.3	0.6	-2.1	-60.9	-26.6	-49.1	-7.3
3rd	-22	-0.9	-18.6	8.2	-18	11.7	-9.9	22.7	-17.6	1.1
4th	-5.5	-16.6	-6.7	-11.1	-6.1	-8.4	1.5	10.1	11.4	0.7
5th	16.5	-18.6	9.9	-13.1	6.7	-5.8	-6.4	6.4	9.6	2.1
6th	2.2	-7.3	0	-5.4	-0.2	-3.1	0.3	1.5	1	2.5
7th	-10.5	-10.6	-10.9	-6	-6.3	-2.1	3.9	-0.6	-8.5	-2.3
8th	12.7	-8.7	7.2	-8	2.1	-2.3	2.9	-1.7	-0.2	-3.2
9th	-5.1	-0.9	-3.4	-0.5	-0.6	-0.3	-1.7	-0.1	1.2	-0.7
10th	-8.8	-0.9	-6	0.6	-0.4	-0.2	-4.3	0.7	3.6	-0.9
11th	-5.4	-10.3	-4.6	-4	0.4	1.6	-2.9	-2.1	1.7	2.8
12th	-8.6	2.6	-3.5	2.6	1.5	-0.7	-0.9	1.1	0.2	-0.2
13th	-3.7	-1.9	-2.3	1	0.7	0.9	0.1	1.5	-0.2	-1.5
14th	3.7	0.9	1.5	0	-1.3	0.3	-1.2	0.3	1.4	-0.8
15th	5.1	8.3	3.1	1.5	-2.8	-2.5	-3.4	-2.7	3.3	2.7
16th	-1.2	2.1	0.2	0.9	0.4	-1.1	0.1	-1.2	-0.1	1.4
17th	3.8	-0.9	0.6	-1.3	-1.2	1	-1.3	1.6	0.4	-0.6
18th	1.7	0.3	0.5	-0.4	-0.8	0.2	-0.7	0.4	-0.4	-0.8
19th	-2.7	-1	0	0.1	1.3	-0.3	0.2	-0.1	1.8	-0.7
20th	3.1	-3	-0.5	0.2	-0.5	2	0.8	-0.4	-1.1	3

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RUN 33   PT 12

V/OR = 0.040	ALFS,U = -2.00	CLRH/S = 0.099980	CTH/S = 0.100006
VKTS = 16.0	MTIP = 0.604	CXRH/S = 0.002490	CP/S = 0.007162

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	76.3		675.1		172.4		1075.9		-266.8	
RMS	360.9		278.7		303.2		269.6		158.6	
1/2 P-P	649.9		613.4		687.6		575		288.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-2.6	502.3	69.6	350.9	150.1	324.9	199.8	217	22.2	209.3
2nd	15.3	9.6	16.3	-7.7	27.8	-6.4	35.6	-8.8	51.1	30
3rd	-12.6	-76.7	-31	-85.1	-37.1	-111.2	-44.3	-96.8	-7.6	-22.4
4th	-4.4	-1.5	-15.7	9.2	-23.8	10	-31.2	7.5	5.4	-32.7
5th	3.4	26.9	5	127.4	1.4	197	10.8	206	19.9	15
6th	8.9	-2.2	2.7	3.4	0.1	6.4	-3	2.8	1.6	5.6
7th	16.4	3.4	12.2	8.9	1	10.1	-22	3.7	-3.2	0
8th	3.2	3.5	-5	10.7	-4	6.1	5.2	-4	3.3	-2.2
9th	-6.8	18.9	2.2	11.2	2	0.9	2.8	-10.8	-1.7	4.9
10th	8.5	14	15.7	7.7	4.3	2.9	-10.7	-5.9	0.4	-4.7
11th	5.1	-0.7	12.2	4.5	3.1	-3.2	-7.3	-4.8	2.7	-6.6
12th	-7.3	1.5	-1.3	-1.4	-6.1	2.8	0.1	1.7	0.6	2
13th	-0.1	11.9	8.3	20	1	13.9	-4.3	-3.9	1.7	2.5
14th	1.3	0.6	2.4	-1	7.4	-1.6	-1.1	0.8	1.9	0.5
15th	-0.9	0.4	-5.5	-2.2	7.2	6.2	0.4	-1.8	-4.8	2.4
16th	-0.7	-0.6	-0.1	-4.6	0.4	-1	0.9	-1.3	0.1	-1.8
17th	-2.3	1.4	-0.6	0.4	5.7	-6.5	-0.9	-0.5	-0.2	1.8
18th	0	1.6	-1	-1.5	1.6	-4.3	-1.6	-1.1	-1.5	-1.7
19th	0.3	0.6	0.6	-1.4	-5.1	-1.4	1.5	-2.3	-1	0.2
20th	1.5	0.3	-0.6	3.4	-2.5	-3.1	-3	6	4.9	0.3

RUN 33   PT 13

V/OR = 0.031 ALFS,U = -2.00 CLRH/S = 0.100113 CTH/S = 0.100156
VKTS = 12.2   MTIP = 0.604   CXRH/S = 0.002995 CP/S = 0.007685

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	238.1		71.8		90.6		87.9		172.2	
RMS	64.6		28.1		18.5		85.1		35.3	
1/2 P-P	128.7		71.2		47		125.3		68	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-20	83.2	-21.4	24.6	-20.1	-2.8	-113	-27.8	-22.7	-6.1
2nd	3.3	10.3	1.5	3.3	1.9	0.4	-18.8	-13.8	-40	-8
3rd	-6	-4.3	-5.1	2	-4.7	4.9	-5.5	11.2	-2.5	-1.5
4th	-2.1	-13	-5.6	-9.6	-6.5	-7.9	4.8	10.3	13.2	4.6
5th	3.9	-2.2	-0.2	1.2	-2.5	3.9	1.8	-4.7	2.8	0.7
6th	-7.1	-5.6	-8.7	-2.4	-7.3	-1.1	6.9	-0.3	-4.1	-2.2
7th	-1.2	2.9	-0.9	1.5	-0.3	0.5	0.1	0.6	-0.9	-0.5
8th	-18.4	1.4	-11.7	4.4	-3.5	2.3	-4.2	-0.2	-1.4	2.2
9th	0.4	-0.4	2.7	-0.5	2.5	0	0.5	0	1.3	0.1
10th	3.5	2.7	3.4	1	0.7	0.1	2.5	0.8	-0.9	-0.9
11th	10.4	-10.8	3.4	-6.8	-1.6	1.6	1.8	-4.1	-2	3
12th	4	0.7	2.2	-0.3	-0.7	0	0.6	-0.2	-0.9	0.5
13th	-1.9	-1.4	-1.7	-0.2	0.1	0.4	-0.5	0.5	0.4	-0.4
14th	-0.7	-0.7	-0.5	0.2	0.2	0.4	0.1	0.4	0.3	-0.5
15th	0.5	4.2	0.8	1	-0.7	-1.5	-1	-1.6	0.3	1.4
16th	-2.3	0.9	-0.5	0.8	0.9	-0.8	0.9	-1.1	-0.8	1
17th	1.3	0.2	0.2	-0.7	-0.5	0.1	-0.5	0.5	0.7	-0.6
18th	-0.1	0.7	0	0.1	-0.1	-0.4	-0.1	-0.2	0.2	-0.3
19th	0.4	-1.3	0.1	-0.1	0.3	0.7	0.1	0.2	-0.2	0.8
20th	-0.1	0.2	-0.3	-0.3	0	0	0.1	0.3	-0.1	0

D-861

RUN 33   PT 13

V/OR = 0.031   ALFS,U = -2.00   CLRH/S = 0.100113   CTH/S = 0.100156
VKTS = 12.2   MTIP = 0.604   CXRH/S = 0.002995   CP/S = 0.007685

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	94.4		700.2		206.2		1113.2		-270.7	
RMS	344.4		244		240.3		200.6		146.1	
1/2 P-P	577.5		505.6		534.9		423.7		265.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-77.8	476.4	3.2	331.5	80.1	302.3	134.4	203.2	12.6	200.5
2nd	-3.4	8.1	-3.1	-2	-1.8	-1.3	2.9	-2.8	25.9	16.7
3rd	-2.2	-51.5	-10.6	-47.6	-14.5	-58.2	-16.2	-49.1	5.1	-18.3
4th	6.6	1.7	-2	8.5	-4.3	9.2	-12.7	6	11.2	-21.6
5th	7.4	10.2	-0.1	70	-6	111.2	-7.5	127.2	2.8	14
6th	14.5	-2.6	3.5	4.5	-3.9	8.9	-20.1	9.5	1	-1.3
7th	-7.8	9.8	-0.8	1.5	2.9	-4.1	4.9	-7.9	-2.3	0.9
8th	2.8	-1.6	14.7	-4.1	8.6	-2.5	-7	3.3	-5.2	-8.4
9th	-26.6	3.7	-15.3	5.3	-4.2	0.5	16.3	-4.6	-0.9	-2.4
10th	-5.2	-5.6	-8.2	-4.7	-3.3	-1.6	5.8	3.4	0.6	2.9
11th	4.2	-8.4	-3.3	2.2	2.8	-6.3	2.6	-4.5	4.2	1.5
12th	-3	-8.6	-9.1	-8	-1.6	-4.9	4.7	4.2	-1	0.4
13th	-4.6	9.7	-1.5	19	-3.8	12.3	-0.6	-4.6	-0.5	1.7
14th	0.4	0.4	-0.1	-0.1	-1.9	-1.1	-0.6	-0.1	-0.6	-2
15th	-1.2	0.5	-5.7	-1.2	-1.8	3.3	-0.2	-0.9	-1.4	-1.4
16th	0.4	0.4	3.1	0.8	1	3.9	1.1	1	1.4	-2.4
17th	-1	1.9	0.1	-1.1	2.3	-4.4	-0.5	-1.6	0.3	2.8
18th	-0.1	0.1	-0.2	-0.1	-0.1	0.9	-0.3	-0.4	1.7	-0.7
19th	-2.2	1.4	0.4	-1.1	1.1	-6	1.9	-1.4	-1.5	-0.2
20th	-4.8	3.9	0.5	-1.9	1.7	-9.5	2.3	-6.3	0.1	3.9

D-862

RUN 33   PT 14

V/OR = 0.020   ALFS,U = -2.00   CLRH/S = 0.100802   CTH/S = 0.100851
VKTS = 8.1   MTIP = 0.606   CXRH/S = 0.003153   CP/S = 0.008489

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	244.3		74.5		91.6		64.7		174.2	
RMS	67.1		34.9		22.9		62.6		32.9	
1/2 P-P	168.5		106.5		66.4		131.8		72.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-21.2	74.5	-17.5	22.1	-13.3	-1.3	-78.5	-16.9	-40.8	-3.2
2nd	-0.3	5	1.8	1.1	2.9	0.4	11.2	-6.3	-2.8	-4.2
3rd	-2.2	-9.8	-7.7	-2.6	-10.4	0.3	-14.5	6.4	2.4	-0.2
4th	11.9	-0.5	12.8	-3.1	13.9	-2.8	-8.6	-7	-7.4	1.5
5th	0.3	2.7	0.3	2.3	-0.2	2.9	0.8	-6.9	-3	1.7
6th	-0.5	0.4	-0.1	1	-0.2	1.4	-0.6	-2.6	-0.8	-0.8
7th	4.7	7.3	5.2	4.7	3	2.3	-1.6	0.1	3.1	1.2
8th	-10	10.4	-5.1	8.8	-1.5	3.6	-1.9	1.9	-0.8	1.4
9th	-0.5	3.7	0.5	2.5	0	0.9	0.2	1.4	-0.8	-1.1
10th	-1.3	3.5	0.3	2.6	0.2	0.6	-0.1	1.8	-0.4	-1.5
11th	-3.8	13.3	0.8	7.5	0.9	-1.5	0.5	4.9	-0.1	-4.9
12th	0.5	1.4	0.9	0.6	0.4	-0.2	0.3	0.5	-0.3	-1
13th	-0.1	1.8	0.6	0.7	0.2	-0.4	0.4	0.2	-0.2	-1.2
14th	0.5	2.4	0.4	0.6	-0.3	-0.8	-0.3	-0.2	0.2	-0.2
15th	2.2	3	1.2	0.6	-0.9	-0.8	-1.3	-0.4	0.7	0.6
16th	0.1	3.1	0.6	0.9	-0.2	-1.1	-0.7	-0.9	0.9	0.8
17th	0.5	-0.2	-0.2	-0.5	-0.1	0.3	0.2	0.7	-0.1	-0.1
18th	1.2	0.1	0.2	-0.1	-0.6	0.3	-0.1	0.3	0.2	-0.1
19th	3.8	0.2	0.3	-0.5	-1.8	1	0	0.7	-1.6	0.8
20th	1.3	1	0.1	-0.1	-0.7	0	0.3	0.2	-0.8	0.1

D-863

RUN 33   PT 14

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load. lb MRPR3	
MEAN	129.8		743.5		249.2		1175.9		-269.7	
RMS	310.6		229.4		221		182.5		124.7	
1/2 P-P	577.9		563		591.4		452.1		228.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-88.7	414.8	-18.3	288.1	40.7	256.9	81.3	168.2	12.4	170.8
2nd	-34	6.7	-29.6	9.4	-35.1	11.8	-31.2	11.7	-3	1.2
3rd	59.6	-53.3	46.3	-63.7	49.8	-76.6	36.7	-70.1	18.9	-8.8
4th	1.4	9.1	27.6	0.4	43.2	-4.3	57.8	-12.7	7.5	13
5th	-2.3	27.6	-2.9	64.1	-9.7	89.9	-9.4	93.8	-9.8	5.3
6th	0.8	0.2	2.1	8.1	2.9	13.2	3.7	14.7	1.6	3.1
7th	-11.6	-0.7	-3.3	-4.4	6.9	-7.2	21.5	-3.6	2.5	0.9
8th	4.2	1.5	8.6	-8.5	4.7	-6.7	-4.9	3.6	-5.1	1.2
9th	-3.2	-5.8	-3.2	-6.5	-0.8	-2.6	1.6	4.5	0.5	-3.4
10th	-3.8	-6.8	-3.7	-7.3	-2.1	-2.4	2.2	5	-2.8	-2.1
11th	-3.1	-11.5	-6.4	-21.5	-3.7	-3.2	3.8	14.5	-2.3	-0.6
12th	8.6	-7	6.5	-11.9	4.2	-6.7	-2.4	4.1	2.8	-1.4
13th	6.4	-0.9	9	-6.7	6.6	-3.5	-1.2	0.9	-0.5	1.2
14th	1.6	0.1	0.1	-2.4	1.4	0.3	-0.5	-1.2	0.9	2.2
15th	0.1	-0.6	-1.4	0.2	3.5	3.2	0.2	0	0	-0.8
16th	0.9	-0.8	-2	-0.4	0.3	4.6	0.4	-0.6	0.1	-1
17th	1.1	0.5	-1.2	-0.7	-1.3	-2.2	-0.6	-0.5	1.4	3.5
18th	0.4	-1.1	-0.7	1.5	1.8	2.1	-0.5	1.4	0.1	-1.3
19th	-0.1	0.7	-2.5	2	2.6	-2.7	-4.1	1.4	1.8	0.7
20th	3	-2.1	-1.8	1.6	-1.3	5.4	-3.4	3.4	0.7	-0.9

D-864

RUN 33   PT 15

V/OR = 0.000   ALFS,U = -2.00   CLRH/S = 0.098837   CTH/S = 0.098874

VKTS = 0.0   MTIP = 0.607   CXRH/S = 0.002809   CP/S = 0.008388

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	247.6		81		294.4		76.3		177.9	
RMS	77		57.7		46.2		87.9		48.3	
1/2 P-P	231.5		171.2		113.4		197		106.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-33.1	2.3	-17.3	0.5	-10.2	-0.8	-18.4	7.5	-10.4	-6.3
2nd	-1.1	-20.7	-22.9	-22.2	-31.1	-28.2	-83.7	-69.7	-49.4	-22
3rd	-1.6	6.3	3	7.1	4.3	7.4	5.5	21.1	2.9	4.1
4th	-3.6	28.4	4.7	30.1	6.5	32.1	10.3	-23.2	-4.7	-17.4
5th	0.3	4.9	-2.5	-1.3	-3.2	-5.7	-9	0.6	8.3	2.6
6th	8.9	1.5	9	-0.2	7.3	0	-9.2	1.5	1.8	-3.7
7th	-9.4	13.9	-4.9	11.9	-2.4	5.8	-2.4	0.2	-7.8	5.7
8th	14.6	20.1	13.9	10.5	5.7	2.5	1.6	3.8	5.4	3.7
9th	14.7	7.3	11.9	1.6	3.2	-0.7	5.8	2.9	-1.7	-2.4
10th	3.7	-2.4	2	-3.6	0.3	-1.3	-0.7	-0.2	0.8	-1.8
11th	-32.2	-16.2	-20	-2.1	2.3	2	-12.4	0.7	10.7	-1
12th	1.7	12.1	3.5	4.9	0.1	-2.9	4	0.5	-4.4	1.6
13th	2.5	3.1	1.9	0.3	-0.6	-1.4	1.2	-1.5	-2.5	1.9
14th	0.7	-1.5	0	-1	0.3	-0.1	-0.4	-0.3	-0.6	1.1
15th	6.6	-9.3	-0.6	-4.1	-1.7	3.6	-1.7	4.6	0.4	-3.2
16th	1.4	-0.3	0.3	-0.6	-0.6	-0.4	-0.5	0	1.2	-0.6
17th	0.2	-1.8	-0.3	-0.3	0.1	0.2	0.8	0.7	-0.6	0.1
18th	2.9	-0.4	0.2	-0.7	-1.2	0.4	-0.9	0.9	-1.6	1.7
19th	-4.6	1.5	-0.5	0.2	1.5	-2.2	0.6	-0.5	-0.3	-1.3
20th	-3.3	-6.1	-1.1	-0.1	3	1.9	0.3	-0.3	2.4	1.9

D-865

RUN 33   PT 15

V/OR = 0.000   ALFS,U = -2.00   CLRH/S = 0.098837   CTH/S = 0.098874
VKTS = 0.0   MTIP = 0.607   CXRH/S = 0.002809   CP/S = 0.008388

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	136.6		739.7		184.9		1155.1		-271.7	
RMS	170.1		219.2		266.9		278.3		63.2	
1/2 P-P	464.7		575.6		708.6		720.7		165.8	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-81.2	78.8	-41.1	54.8	-21.5	43.4	-5.6	15.8	-31.2	5.4
2nd	156.6	-10.5	190.1	-27.1	262.2	-1.4	250.8	15	56.1	1.5
3rd	-46.7	-7.2	-61.7	-0.2	-77.6	-3.1	-66.6	3	-2.2	-2
4th	-25.3	-9.3	-14.5	59.2	-17.1	96.4	-4.5	131.8	-35.8	26.2
5th	36.5	-6.6	1.2	-95.7	-21.2	-154.5	-48.2	-181.3	8	-6.7
6th	-21.4	-6	-22.9	-3.4	-23.9	-2.7	-9.5	-6.9	-9.9	1.1
7th	7.3	-6.5	7.9	-9.7	3	-2.2	-9.4	20	0.5	3.7
8th	-8.2	2.9	-18.4	-9.2	-12.8	-7.2	7.5	2.7	0.8	6
9th	-9.6	-5.6	-22	-8.8	-13.2	-6.2	8	-0.2	-1.5	1.6
10th	-7.5	19.6	-2.3	20	-0.5	9.9	2.5	-9.2	-0.6	2.9
11th	42.4	20.4	71.8	14.3	13.4	4.2	-47.8	-8.8	5.1	-4.5
12th	18.7	-12.7	13.6	-28.1	10.3	-4.6	-5.7	14.3	-2.9	0
13th	-1.5	0.6	-4.1	-2.5	0.4	1.1	2.2	0.9	-1.2	0.4
14th	-0.4	0.3	-4.4	3.2	-5.2	2.8	-1.7	0	-2.2	1.1
15th	1.3	0.9	0.1	6	1.2	-9.7	-4.5	2.3	4.6	2.7
16th	-2	0.8	-2.4	-0.3	0.3	-1.8	0.2	-1.9	0.6	-1.4
17th	0.8	-0.1	0.3	2	-1.8	1.3	-0.8	2.6	-0.8	-1.4
18th	-2.1	-0.7	-1.2	2.5	5.2	0.8	0.7	2.5	-2.5	0.3
19th	4.5	-2.4	1	-0.9	-7	11.3	-0.1	0.6	0.1	0.1
20th	-0.3	6.5	4.5	0.8	-9.3	-9.1	4.7	-0.3	1.7	-0.2

D-866

RUN 35   PT 20

V/OR = 0.251   ALFS,U = -2.00   CLRH/S = 0.100094   CTH/S = 0.100138
VKTS = 99.6   MTIP = 0.606   CXRH/S = 0.003009   CP/S = 0.004057

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	216.2		43.4		46.2		-83		4.4	
RMS	83.8		59.3		69.8		116.2		41.7	
1/2 P-P	186.7		117.4		129.6		211.4		120.4	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	57.6	36.3	45.9	-29.7	48.9	-70.4	55.9	-94.2	-20.3	-32.8
2nd	22.1	26.6	-2.8	30.3	-15.5	37.2	-87.7	18	-19.2	9.9
3rd	5.6	23.1	6.9	16.7	5.6	17.7	-6.9	70.8	-10	14.5
4th	6.7	-10.5	2.3	-7.6	-0.8	-6.5	-6.9	28.2	4.4	9
5th	-3.7	-0.5	-2.3	3.7	-4.2	5.6	5.4	-12.9	8.4	-1.4
6th	-4.5	-1.2	-2.8	-0.9	-0.6	0.3	4.1	-2.2	-4.4	-7.8
7th	5	12.1	6.1	7	1.5	3.3	-1.4	-2.5	-6.9	-1.5
8th	-40.9	5.5	-24.7	9.2	-7.1	2.4	-8.2	-3.5	-5.6	5
9th	-11.1	-0.6	-7.5	5.8	-1.9	5.1	-5.8	3.5	7.3	4.1
10th	16.2	2.1	9.9	0.7	0.2	2.7	4.6	5.9	0.2	-3.5
11th	24	70.6	25.7	31.2	-2.2	-7.6	15.2	18.6	-14	-16.3
12th	-5.1	5.2	0.2	2.7	1.6	-1.7	1	-3.2	-3	4.1
13th	10.7	-7.7	3.5	-5.6	-1.9	2.8	-0.1	-2.2	3.6	4
14th	14.4	-6.4	3.2	-4.4	-4.9	4.1	-2.6	3.9	6.3	-5.4
15th	4	-1.1	1	-0.6	-2.4	1	-0.9	3.2	-1.8	-5.6
16th	-5.5	-7.3	-3.3	1.3	2.8	1.9	5.1	2.2	-7.1	-1.1
17th	2	-6.2	-0.8	-1.8	0.8	2.5	2.1	1.9	-0.1	1.5
18th	1.9	3.7	1.1	-0.4	-1.4	-1	0.3	-1.8	2.6	-0.7
19th	-2.4	12.5	1.3	0	-2.5	-6.3	-0.5	0	-1.5	-9.1
20th	-13.4	-9.1	0.3	0.7	8.5	-0.2	-1.2	1.9	5.8	-1.6

D-867

RUN 35   PT 20

V/OR = 0.251   ALFS,U = -2.00   CLRH/S = 0.100094   CTH/S = 0.100138
VKTS = 99.6   MTIP = 0.606   CXRH/S = 0.003009   CP/S = 0.004057

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	51.6		713.3		331.3		1315.8		-138.7	
RMS	427.5		404.5		502.9		450		196.4	
1/2 P-P	675.9		723		890.2		837.7		345.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	90	568.5	-34.4	465.7	-157.3	531.2	-189.2	391.6	133.6	217.8
2nd	102.1	-41.6	98.6	-83.7	140.3	-139.8	150.3	-151.2	73.7	50.4
3rd	-1.6	13.4	-67.7	23.6	-118.6	21.7	-117.5	-6.8	9.1	7.4
4th	25.6	78.9	55.9	167.3	73	239.9	65.6	239.6	6.9	-37.1
5th	-85.2	-36	-176.1	63.8	-246	124.3	-242.1	152.2	-22.6	-5
6th	-23.5	12.5	-32.1	17	-45.7	9.3	-41.1	-7.1	-24.2	1
7th	-6.2	-19.2	-0.8	3.2	13.9	23.6	24.8	29.9	-4.7	13.5
8th	3.6	2.5	34.9	-9.6	24.1	-7.4	-10.6	-5.5	-13.9	1.6
9th	19.8	-24.1	21	-19.6	11.3	-11.4	-12.2	21.9	10	-10.8
10th	-3.7	-14.5	-16.5	-6.2	-2	-4.9	8	17.2	2	-1.7
11th	-3.8	-70.7	-55.1	-107	-0.3	-17	35	78.6	-11	12.3
12th	27.3	-18.8	26.6	-33.5	14.4	-13.5	-8	10.5	-3.8	1.4
13th	0.1	8	-1.7	17.4	5.2	-1.2	1.6	-9.3	-1.9	5.7
14th	1.5	-3.5	-9	5.2	7.7	-12.7	-3.2	0.3	13.1	0.9
15th	-0.5	0.5	-3	2.1	5.5	-2.5	-6	2.3	3	-0.5
16th	0.9	1.2	11.8	5.2	-0.8	3.4	-0.1	4.7	11	-9.6
17th	-1.7	-0.1	2.3	3.4	-2.2	-6.5	0.1	1.2	-6.5	4
18th	0	-6	-1.3	0.8	7.2	8.8	-0.3	1.8	-4.3	-2.5
19th	1.7	-7.5	-6.4	-4.1	4.5	23	-5.8	-9.1	-4.4	3.3
20th	-4.5	7.7	6.4	-6.1	-19.1	-12.8	21.5	-13	-1.7	-9.2

D-868

RUN 35 PT 21

V/OR = 0.224 ALFS,U = -2.00 CLRH/S = 0.101038 CTH/S = 0.101098
VKTS = 89.0 MTIP = 0.606 CXRH/S = 0.003495 CP/S = 0.004195

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	219		44.7		47		-81.1		5.6	
RMS	74.3		50.4		58.2		109.1		38.3	
1/2 P-P	161.6		119.4		110.9		192.8		113.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	52.2	39.8	37.9	-22	38.7	-59.2	34.4	-83.5	-17.6	-29.9
2nd	24	22.3	0.7	21.2	-13.9	24.9	-86.4	12.6	-19.6	7.2
3rd	0	16.2	2.5	13.5	-0.1	16.6	-4	81	-7.8	14.3
4th	-0.1	-21	-3.9	-17.3	-6.7	-14.1	5	24.9	11.1	8
5th	-8	-9.1	-7.4	-2	-7.4	4.8	10.4	-13.6	7.1	-6.1
6th	-16.5	0	-10.3	1.3	-7.2	1.4	7.1	-2.9	-9.7	-6.6
7th	-13.7	18.8	-5.7	17.3	-1.6	7.2	-1.4	-1.9	-8.3	5.5
8th	-34.7	9.3	-21.3	13.5	-5.6	4	-7.1	1.5	-0.3	7
9th	3.8	18	4.6	10.9	1.1	2.6	-1.5	4.1	7.9	1.4
10th	25.1	17.8	19.2	5.4	0.8	-0.1	8.7	-2.1	-5.1	-1.3
11th	9.6	18.8	11.1	6.4	1.3	-4.1	7.5	-2.3	-10.4	0.4
12th	22.7	-4.3	10.9	-6.8	-2.2	0.6	8	-4.3	-6.1	5.7
13th	18.3	-0.9	8.1	-5	-3.4	0.9	2.9	0.4	1.7	-1
14th	7.7	9.9	1.9	1.5	-4	-2.4	-3.2	-0.5	2.5	-2.8
15th	-15.6	3	-4.8	4.5	5.8	-1.5	4.9	-2.3	-7.9	1.1
16th	3	-12.1	-1.7	-4.6	0.4	5.8	0.9	7	0.2	-1
17th	5.8	4.1	3.3	-1	-3.2	-1	-3.3	0.2	5.9	2.5
18th	2.5	8.6	2.3	0.4	-2.5	-3.9	-1.3	-1.5	1.2	-2.4
19th	0.6	9.8	0.9	-0.4	-2	-4.6	0.3	-0.4	-3.4	-7
20th	3.4	-2.5	-0.4	-1	0.3	2.4	0.7	1.3	-0.4	2.4

D-869

RUN 35   PT 21

V/OR = 0.224   ALFS,U = -2.00   CLRH/S = 0.101038   CTH/S = 0.101098
VKTS = 89.0   MTIP = 0.606   CXRH/S = 0.003495   CP/S = 0.004195

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	57.5		714.3		356.5		1307.3		-136.2	
RMS	415.2		370.9		451.9		396.3		195.5	
1/2 P-P	638.1		667.6		826.3		690.7		355.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	70.3	563	-30.8	449.2	-123.9	497.4	-160.8	372.6	120.7	224.8
2nd	97.3	-20.5	88.3	-53.3	129.3	-89.5	137.3	-97.2	72.1	46.6
3rd	-0.2	3.4	-52.9	17.5	-89.2	12.9	-90.4	4	4.8	-10.3
4th	31	81.1	74.3	160	108.5	221	111	209.2	-3.4	-42.3
5th	-38.6	14	-51.9	133.2	-69.3	202.2	-62.1	217.4	-14.8	-11.6
6th	-8.7	17.4	10.5	16.9	15.6	12.1	5.4	-6.6	-25.1	4.8
7th	2.5	-32.5	18.9	-22.1	27.5	11	21.7	45.2	-2.3	7.7
8th	-10.8	-10.4	16.8	-22.9	15.7	-16.1	-7.5	7.4	-6.7	-3.1
9th	-4.9	-6.8	-8.6	-10.8	-0.9	-1.2	-3.3	9.4	7.7	-4.5
10th	-21.1	-6.6	-34.1	-2.5	-0.7	8.1	28.4	-0.4	-6.4	4.5
11th	-13.1	-9.2	-19.7	-18.9	-1.1	3.7	21.8	3.4	-15.7	4.2
12th	30.4	-18	11	-26.3	17.6	-25.7	3.4	0.2	1.3	1.3
13th	21.4	-12.7	6.6	-25.1	18	-27	-2.9	1.5	3.7	0.6
14th	4.7	-5.1	-8.5	-10	1.6	3.2	-7.5	0.8	11.1	8.2
15th	-0.2	-8.3	5.7	-12.9	-17.1	3.8	2.3	3.6	1.3	-16.8
16th	-1.4	2.9	3.5	21.2	-1	-1.4	3.1	7.1	6.1	6.9
17th	-0.3	-1.8	-5.6	3.2	8.9	5.4	1.2	-2.4	-10.8	2.4
18th	0.1	0.2	-8.1	-4.6	-0.5	6.8	-6.1	-8.4	-1.2	3.4
19th	1.4	-3	-2.5	-3.1	3.3	12.1	-4.4	-6.8	-2.7	3.1
20th	-29.6	2	9.3	-4	37.2	-34.8	29.3	-10.5	4.6	-0.6

D-870

RUN 35   PT 22

V/OR = 0.198   ALFS,U = -2.00   CLRH/S = 0.100044   CTH/S = 0.100100
VKTS = 78.9   MTIP = 0.606   CXRH/S = 0.003353   CP/S = 0.004154

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	219.2		46.1		42.3		-73.3		7.7	
RMS	93.5		55.2		53.1		97.2		44.1	
1/2 P-P	221.6		140		108.4		210.3		129.8	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	42	44.4	27.3	-17.4	25	-51.8	14.8	-77.8	-16.3	-26.2
2nd	26.3	22.1	1.5	15.3	-14.4	15.9	-75.9	7.8	-22.3	5.4
3rd	-2.7	12.7	-5.2	13.2	-11.6	19.4	-14.4	68.4	-7.6	12.1
4th	-8.5	-17.6	-12.1	-11.9	-12.5	-7.9	0.4	11.8	14.4	4.1
5th	-7.1	3.9	-5.6	10.2	-6.6	14	7.3	-18.3	3.8	-8.9
6th	-21.2	2.5	-13.7	7.1	-6.7	4.9	9.8	-6	-11.2	-1.8
7th	15.5	1.1	9.9	-0.1	7.7	1	-1.2	-3.6	1.1	5.9
8th	8.6	46.6	13.6	30.3	7.6	12.4	-4.9	3.8	14	10.3
9th	1.8	20.3	8.3	9	4.2	-0.3	0.7	3.3	5.6	-4.1
10th	10.5	-5.1	8	-4.6	1.8	-0.8	9.8	-4.8	-10.1	0
11th	52.5	-67.1	15.2	-43.9	-5	6.8	12.2	-26.1	-14	22.6
12th	29.8	5.5	12.2	-3.2	-6.8	0.6	0.7	0.7	1.6	3
13th	2.9	0.2	0.8	-2	-1.5	-0.1	-4.4	1	6.2	-3.1
14th	-15.6	-8.3	-6.3	0.1	5.8	1.3	4.5	-1.3	-4.7	-3.6
15th	-17.8	-16.3	-9.6	-1.2	9	4.2	13	-0.7	-13	1.7
16th	6.5	1.1	3.6	-2	-1.4	1.8	-0.8	-0.1	-0.4	5.7
17th	-11	11.6	0.7	2.6	2.1	-5.5	0.3	-2.5	-0.4	1.7
18th	-14	4	0.6	1.3	4.2	-5.3	-1	-0.2	2.5	-7.4
19th	-1.8	-9.7	-0.3	-0.9	3.4	3	-0.7	-0.2	2	-1.8
20th	18.6	26.5	-0.2	-3.5	-15.1	-7.2	2.3	0.4	-14.6	-8.9

D-871

RUN 35   PT 22   V/OR = 0.198   ALFS,U = -2.00   CLRH/S = 0.100044   CTH/S = 0.100100
                   VKTS = 78.9   MTIP = 0.606   CXRH/S = 0.003353   CP/S = 0.004154

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	63		715.8		339.2		1315.7		-131.1	
RMS	413.4		363.5		418.9		365.9		192.8	
1/2 P-P	681.3		755.6		840.4		803.1		355.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	79.6	553.4	4.6	435.1	-53.4	469.3	-87.3	334.3	103.4	223.8
2nd	115.2	-4.7	102.1	-41	145.4	-67.8	154.2	-85	76.6	51.4
3rd	39.4	-30.4	-14.7	-30.9	-33.1	-58.2	-44.2	-72	11.8	-11.2
4th	10.4	68	23.5	147.4	26.5	199.4	17.1	181.5	-12.6	-43.6
5th	-47	-22.3	-103	94.7	-150	164.5	-159.4	198	-25.3	-5.9
6th	-18.6	-1.9	3.7	6.6	8.7	13.5	10.7	14	-19	2.5
7th	-8	-21.9	-8.9	6.4	-10	23.6	20.2	30.9	5.5	11.4
8th	-8.5	-7.5	-14.1	-25.6	-9.3	-17.5	4.7	16.6	2.3	7.5
9th	-5.1	3.3	-4.9	-4.4	-2.2	3.7	7.7	1.5	-2.2	-5
10th	14.5	-8.8	5	-3.3	3	-1.9	16.5	-0.2	-7.8	-0.1
11th	-49.5	56	-53.3	120.3	-10.8	9.6	42.8	-84.3	5.5	0.7
12th	17.5	1	-5.8	-3.6	19	-8.4	-4.2	0.6	10.8	10.9
13th	7.1	-10.7	-0.5	-16.7	1.8	-12.2	-5.2	2.2	3.9	6.6
14th	0.9	-3.6	8.3	-3.8	-18	-4.3	5.2	2.2	0.4	-17.2
15th	4.6	-1.7	17	1.3	-25	-9.5	5.3	7.4	15.6	-3.5
16th	-3.1	0.2	-12.8	4	-5.5	-5.2	-0.5	2.9	-21.4	-2.2
17th	1	-0.7	0.5	-5.1	-5.6	15.1	2.3	-8	-6.2	-2.8
18th	-1.2	-5.7	6.3	-0.1	-0.4	21.4	10.8	-7.3	-9.3	4.6
19th	-1.5	3.5	1.4	2.2	-9.2	-10.7	4.9	3.4	0.3	-0.6
20th	-15.9	-13.8	-5.4	-2.5	65.8	13.4	-13.6	-14	1.4	20

D-872

RUN 35   PT 23

V/OR = 0.174   ALFS,U = -2.00   CLRH/S = 0.100705   CTH/S = 0.100757
VKTS = 69.1   MTIP = 0.605   CXRH/S = 0.003249   CP/S = 0.004294

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	223.4		47.2		43.7		-64.2		12.2	
RMS	73.7		41.7		46.6		93.1		36.6	
1/2 P-P	155.1		106.3		93.1		191.8		97.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	37.1	50.2	17.8	-10.1	10.9	-43	-8.5	-69.6	-15.6	-23.6
2nd	26.9	15	0.9	9.9	-15	13	-68.7	4.6	-25.1	3.7
3rd	-8.1	14.5	-10.2	19.7	-17.1	27.1	-24.2	74.9	-5.6	14.1
4th	-15	-25.2	-16.8	-15.6	-16.5	-9.9	4.9	17.7	17.4	3.9
5th	-11.8	-5.4	-9.9	5.3	-10.1	11.3	17.1	-16.3	2.6	-9.1
6th	-19.8	-14.2	-16.5	-7.2	-9.8	-1	9.2	-7	-13.2	-0.4
7th	10.4	-8	5.4	-7.7	0.1	-1.8	-3.9	-2.7	0	2.3
8th	-15	11.2	-7.1	12.2	-1.6	2.6	-4.2	6.3	5.9	-0.7
9th	-8.8	-3.6	-7.7	2.4	0.2	1.4	0.6	3.7	1.7	-6.7
10th	9.9	-9.4	2.7	-5.6	-0.4	2.8	2.4	-3.6	-5.4	1.8
11th	43.4	36.8	29.8	9.3	-4.9	-5.5	14.3	5.3	-13.9	0.2
12th	-14.5	1.8	-4.7	3.2	4.1	-1.8	-1.2	1.1	3.3	0.7
13th	0.6	-11.8	-1.6	-3.6	1.6	4.6	4.4	-0.9	-1	-3.8
14th	10.6	-7.5	1.7	-5.2	-3.7	4.2	0.9	1.5	-1.4	-3.5
15th	-1.4	2.2	1.2	0.4	-0.3	-1.1	-0.8	2.1	-1.2	1.2
16th	-8.3	-10.9	-3.8	-0.1	5.2	3.6	2.5	5.3	-0.6	-2.4
17th	1.7	-8.2	-0.4	-2.8	1.1	4.7	-1.4	1.6	2.1	-2.3
18th	0.6	-0.2	1.1	-0.3	-1.4	0.6	0.1	-3.1	-0.4	0.8
19th	-2.4	4.7	0.4	0.8	-1.1	-3.8	1.1	-0.5	-1.5	-0.5
20th	-3.8	-6.2	-0.3	1.5	4.2	0.7	-0.8	1.2	2.4	3.9

D-873

RUN 35   PT 23

V/OR = 0.174   ALFS,U = -2.00   CLRH/S = 0.100705   CTH/S = 0.100757
VKTS = 69.1   MTIP = 0.605   CXRH/S = 0.003249   CP/S = 0.004294

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	71.2		718.6		345.3		1306.9		-128.1	
RMS	408.3		363.5		425.1		380.8		191	
1/2 P-P	677.6		709.8		857.5		745.9		362.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	102.5	541.4	46.6	414.1	24.6	435.5	-20.1	308.7	95.6	224.8
2nd	114.1	-15.7	102.6	-48.8	148.2	-80.5	160.9	-79.7	79.6	39.8
3rd	37.3	-57.3	-21.9	-60	-42.2	-94.5	-57.2	-99.6	14.8	-19.2
4th	6.4	67.5	22.5	161.8	29	222	15.4	219.5	-16.9	-52.3
5th	-53.5	-1.9	-99.4	144.9	-136.8	233.3	-138.4	269.4	-15.5	-10.4
6th	-19.9	18.4	3.8	49.4	10.9	58	2.6	43.8	-8.8	16.5
7th	3	-11.5	-3.5	20.9	4.2	33.8	1.6	33	0	12.5
8th	2	-7.3	15.6	-18.5	20.7	-6.8	14.1	8.1	5.4	-6.1
9th	13.7	-7.2	21.3	-11.6	6.8	-4.6	0.7	10.4	8.8	-7.3
10th	17.3	-6.6	10.3	3.2	6	-5.7	-2.7	1.4	0.4	-5.3
11th	-50.3	-24.1	-94.4	-24.2	-14.5	2	61.8	12.4	-5.8	12.6
12th	17	21.8	32.3	13.5	4.5	14.5	-9.3	-14.3	-5.8	1.3
13th	12.7	4.1	22	9.2	6.7	-6.5	-1	0.8	6.9	-6.6
14th	5.5	-2	-2.9	0.2	5.6	-16.7	-2.8	6.8	14.9	-0.2
15th	1.2	-1.4	2.5	-1.8	4.8	3.7	0.3	-1.3	-8.2	-2
16th	-1.2	-2.2	-7.8	2.5	-29.2	-7.5	2.9	1.5	7.9	-13.2
17th	0.2	3.3	1.1	6	-4	-14.5	3.5	4	-7.3	4
18th	4.4	-0.6	-6.8	1.7	-5.4	0.9	-6.4	5.7	-3.5	1.4
19th	0.6	0.6	-2.3	-5.3	1.5	7.7	-4.7	-4.8	-0.1	0.7
20th	17.8	-6.4	-1.7	3.4	-28.1	23.3	-4.9	18.8	2.4	-7.1

D-874

RUN 35   PT 24

V/OR = 0.151   ALFS,U = -2.00   CLRH/S = 0.100292   CTH/S = 0.100339
VKTS = 60.2   MTIP = 0.607   CXRH/S = 0.003096   CP/S = 0.004475

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	223.9		46.9		44		-56.8		15.9	
RMS	72.4		44.1		49.8		97.1		40.4	
1/2 P-P	147.3		107.8		92.8		198.4		105.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	26.7	54.9	7.6	-3.8	-0.5	-34.1	-29.1	-63.2	-16	-22.1
2nd	26.2	10.6	0	2.8	-16.8	3.8	-64.7	0.3	-29.8	1.8
3rd	-18.3	16.6	-21.5	26.3	-29.4	34.6	-36.2	81.2	-5.1	15.8
4th	-27.6	-28.5	-28.2	-13.3	-26.6	-5.3	13.4	17.4	22.1	3
5th	-5.9	-0.8	-4.5	9.8	-2.9	17.2	9.5	-24.1	1.4	-11.3
6th	-22.8	2.4	-15.5	5.7	-10.7	5.1	8	-12.2	-13.7	-1.2
7th	-10.2	0.7	-5.8	3.7	-1.2	2.1	-0.7	1.1	-6	4.3
8th	-5	18.3	-1	15.4	1.7	9.1	-2.4	4.3	6.4	5.3
9th	-7.9	11	-2.4	8.2	-2.4	3.1	-5	2.4	5.7	-2.2
10th	5.3	8.3	5.5	6.4	-1.5	-0.7	1.4	3.5	-2.3	-2.6
11th	15.7	48.9	17	23	0.4	-6.1	13.9	14.2	-11.6	-9.5
12th	-1.8	4.3	0.4	2.1	0.8	-0.1	3.7	0.3	-3.2	-0.2
13th	7.2	-1.4	3.7	-1.7	-2.7	1.1	-1	0	1.1	-1.2
14th	6.1	4.4	1.8	-1.2	-3.4	-2.4	-5.3	0	6.7	-1.4
15th	-7.2	-6.9	-3.2	-0.2	3.3	2	2.8	2.1	-0.8	-2.9
16th	7.6	-5.8	0.3	-1.8	-2.8	4	-0.5	3.7	-1.4	-1.5
17th	3.2	2.4	1.4	-0.3	-2	-0.4	-0.2	1	-2.6	0.5
18th	-3.7	3.7	0.5	0.9	0.8	-2.7	0.4	-0.1	0.8	-1.6
19th	-8.3	-0.1	-0.3	0.4	3.6	-2.3	-0.8	-0.9	5.7	-2.9
20th	7.5	-0.7	-0.6	-0.1	-3	2.9	-0.2	-1.5	-3.5	2.9

D-875

RUN 35   PT 24

V/OR = 0.151   ALFS,U = -2.00   CLRH/S = 0.100292   CTH/S = 0.100339
VKTS = 60.2   MTIP = 0.607   CXRH/S = 0.003096   CP/S = 0.004475

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	75.9		722.1		354.9		1303.6		-131	
RMS	399.2		342.6		393.8		355.2		193	
1/2 P-P	689.8		713.9		789.1		727		355.6	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	98.2	529	66.6	395.3	72.5	401.3	40.8	280.2	85.4	227.4
2nd	111.9	-20.8	102.8	-47.4	155.6	-67.9	152.1	-76.7	82.1	34.2
3rd	29.5	-83.9	-23.5	-88.8	-31.6	-132.6	-62.9	-123.5	11.2	-28.7
4th	-3.7	48.1	-1.1	147.5	-1.7	200.5	-25.2	214.1	-27.6	-66.2
5th	-43.8	-16.4	-64.4	124.8	-91.8	205.2	-81.7	244.4	-16.5	-6.6
6th	-23.1	-7.1	-12.1	23.2	-5.8	44.1	-18.9	46.6	-16.8	14.7
7th	-6.6	-26.9	-2	2.2	-3	30.3	-3.3	44.1	-4.1	9.6
8th	2.7	-2	10.4	-10.6	9.5	-15.9	7.1	7.7	9.6	4.8
9th	9.1	-3.4	12	-8.9	17	-3.4	-8.7	11.8	3.2	-2.4
10th	12.2	-8.7	1.8	-16	8.3	2.5	3	11.5	0.2	-8.5
11th	-29.5	-44	-59.1	-69.8	-15.9	-10.7	48.3	48.8	-7.1	5
12th	12	11.4	14.1	1.3	5.5	-1.2	-3.9	0.3	-5.3	0.8
13th	10.4	4.1	10.5	3.5	17.5	0.8	-7.7	-6.9	-0.6	-2.8
14th	1.3	0.6	-6.3	-7.4	6.2	-2.4	-1.3	-6.9	12.2	17.3
15th	-1.7	-1.7	7.2	1.5	-4.8	-4.9	6.8	4.3	1.4	-7.1
16th	-3.7	-0.6	-21.9	10.7	-15.4	-5.3	-8.3	6.8	5.7	-2.5
17th	0.6	3.6	-2.5	0.7	3	-2.7	-6.4	-3.6	-5.2	-3
18th	4.5	0	-2.2	-3	-8.1	5.6	-0.8	-5.8	-4.4	0.4
19th	5.3	4.2	0.4	-3.4	-18.3	2.4	5.5	-4	-3	0.5
20th	12	-0.9	-7.4	5.8	-10.6	5	-19.5	16.8	5.1	3.6

D-876

RUN 35   PT 25

V/OR = 0.125   ALFS,U = -2.00   CLRH/S = 0.100625   CTH/S = 0.100666
VKTS = 49.7   MTIP = 0.607   CXRH/S = 0.002941   CP/S = 0.004905

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	227		49.1		48.3		-44.2		24.1	
RMS	101.4		70.4		62.4		111.8		48.2	
1/2 P-P	258.4		187.3		137.2		215.6		119.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	19.2	59.6	-0.7	3	-9.9	-25.3	-48.6	-57	-16.6	-21.7
2nd	24.4	4.2	-2.3	-6.7	-16.1	-7.7	-71.6	-11.3	-38	-2.2
3rd	-37	17.6	-40.6	33.6	-44.4	42.3	-52.9	91.4	-10.2	17.3
4th	-39.8	-35.7	-40.5	-16.4	-38.4	-5.2	24	15.2	26.2	3.1
5th	10.6	-2.7	9.7	7.5	6.9	15.1	-2.3	-26.3	5.9	-11.8
6th	-34.7	6.3	-27	13.1	-15.5	10.9	15.1	-13.7	-9.5	-1.7
7th	-30.1	-31.4	-26.2	-15.6	-14.3	-5.5	4.4	-2.6	-16.6	-0.3
8th	13.6	38.5	15.3	27.2	7.1	9.9	-1.1	5.2	17	9
9th	-24.8	14.9	-12.7	14.9	0.3	5.6	-9.2	7.5	7.4	-2.6
10th	-14.8	-14.1	-11	-4.6	-0.8	0.6	-6.7	-3.8	9.2	0
11th	58.2	39.6	36.5	9	-5	-6.7	22.7	2.2	-16.7	-2.8
12th	-24.3	5	-9.1	5.4	6.2	-1.6	-1.5	2.6	-3.2	2.3
13th	-5	-12.5	-3.9	-3.5	1.5	4.1	0.1	2.9	-3.6	-2.2
14th	14.2	3.3	4.3	-3	-6.4	-0.9	-5.6	-1.4	7.4	-3
15th	-4.4	26.3	6.2	7.3	-0.9	-10.5	-2.7	-11.9	6.2	8.1
16th	-11	-7.3	-4.4	1.7	4.7	1.8	6.4	1.9	-2.2	1.8
17th	11.9	2.8	2.7	-0.1	-6.1	1.4	-6.6	1.6	-0.7	2.9
18th	4.6	9.6	0.8	1.4	-4.5	-3.6	-2.7	-2.8	-5.5	-1
19th	-10.8	-0.2	-0.6	1.1	5.1	-2.9	2.2	-2	4.1	-4.1
20th	15.9	-5.2	-1.7	0.2	-5.5	6.3	3.3	-0.7	-5.1	6.1

D-877

RUN 35   PT 25

V/OR = 0.125   ALFS,U = -2.00   CLRH/S = 0.100625   CTH/S = 0.100666
VKTS = 49.7   MTIP = 0.607   CXRH/S = 0.002941   CP/S = 0.004905

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	72.7		720.5		342.1		1291.4		-144.7	
RMS	390.6		352.4		411.8		386.3		195.4	
1/2 P-P	724.5		776.6		851.1		802.5		352.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	116.5	499	102.7	360.6	133.4	359.1	112.1	241	75	226.5
2nd	103.3	-0.2	106.1	-23.3	160.4	-32	165	-44.7	88.2	32.7
3rd	22.4	-146.3	-29.3	-156.8	-40.3	-210	-76.5	-196.3	6.2	-35.4
4th	-3	43.4	-21.4	154.5	-36	207.1	-76.2	224.8	-34.8	-75.8
5th	-46.6	-3.5	-71.3	148.2	-94.7	241.7	-66.6	277.7	-0.4	11.9
6th	-12.4	-28.8	-3.2	5.9	-11	30.4	-23.7	44.6	-17.2	5.4
7th	14.8	-23.9	14.7	25.1	1.6	52	-47.4	46.2	-2.4	-0.1
8th	-0.8	0.8	-7.2	-21.5	5.6	-11.5	21.6	20.9	11.7	12.8
9th	10.4	1.5	28.1	-12.7	12.6	-6.9	-1.9	9	-2.1	-3.6
10th	27.2	17.5	38.4	17	12.8	5.8	-19.7	-11.3	5.2	-11.8
11th	-54.1	-25.5	-105.7	-30.2	-15.1	-0.1	72.7	19	2.9	13.2
12th	17.1	26.9	41.3	14.3	1	14.4	-16.6	-11	-12.4	-3.2
13th	5	-2.4	10.5	3	-2	-8.9	-3.8	-0.6	4.1	-10.2
14th	2	-0.3	-2.8	-2.5	19.8	-2.9	-3.7	-2.8	13.9	19.2
15th	-3.9	-1.9	-9.6	-10.9	6.8	28.9	7.9	-6	-27.7	1.2
16th	0.5	-1.7	-5.7	-7.7	-26	-11.6	-0.9	3.3	17.9	-9.1
17th	-0.4	1.8	-6.4	-0.1	15.4	-7.8	-7.7	2.4	-1.5	-3.3
18th	3.5	-0.1	-5.5	-3.9	7.8	7.3	-9.9	-5.4	1.1	-0.1
19th	3	1.6	4.2	-4	-13.4	8	8.2	-5	-3.5	-5.2
20th	15.2	9	-9.9	6	-18.4	-13.6	-35	16.4	6.7	4.4

D-878

RUN 35   PT 26

V/OR = 0.113   ALFS,U = -2.00   CLRH/S = 0.098733   CTH/S = 0.098773
VKTS = 45.2   MTIP = 0.606   CXRH/S = 0.002860   CP/S = 0.004981

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	223.7		48.4		49.1		-37.3		27.6	
RMS	108.2		77.1		67.5		117.6		49.6	
1/2 P-P	303		214.8		154.1		227.2		125.8	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	13.1	58.1	-8	3.8	-14.1	-22.2	-55.4	-53.9	-16.8	-23.6
2nd	23.4	4.3	-2.1	-5.2	-16.2	-12.3	-76.8	-15.7	-39.7	-5.3
3rd	-41.9	17.7	-44.5	35.3	-51.1	47.7	-61.5	94.9	-13.5	18.8
4th	-38	-36.9	-39	-18.4	-38.2	-8.5	22	14.6	24.9	5.6
5th	19.5	-6.9	13.6	1.6	9.8	10.5	-7.7	-19.5	6.9	-9.6
6th	-37.1	-2	-29.6	7.8	-20.4	10.3	16.9	-9.2	-7.2	-1.7
7th	-27.6	-46.7	-27.8	-27.2	-14	-10.1	6.5	-3.7	-17.2	-3.9
8th	10.5	52.1	15.5	35.5	7.4	13	1.2	8.3	0.2	10.8
9th	-29.1	7.4	-15.8	11.6	-0.9	4.5	-10.9	6.4	8	-2.2
10th	-6.9	-26.6	-8.7	-12.9	-1	2.1	-6.6	-9.4	9.4	3
11th	57.2	48.9	38.4	14.1	-5.7	-6.9	24.7	5.9	-16.9	-5
12th	-22.3	-9.6	-10.6	-0.8	5.7	0.3	-1.4	0.7	-3.4	3.4
13th	-0.3	-15.3	-3.1	-5.6	0.4	5.1	-0.8	2.2	-3.8	-2.6
14th	9.5	5	4.3	-1.7	-4	-1.3	-3	-1.6	4.9	-2.5
15th	-10.7	17.6	2.2	7.1	2.7	-7.5	2.2	-9.1	3	6.9
16th	-2.4	-11.9	-3.5	-2.1	3	4.6	4.3	5	-0.8	0
17th	8.4	4.6	1.5	0.2	-4.6	-0.1	-4.4	-0.3	-1.7	2.2
18th	1.4	7.4	-0.4	0.9	-2.1	-3.1	-1.1	-1.9	-4.5	-2.2
19th	-5.6	1.1	-0.6	-0.3	2.4	-1.5	0.7	-0.7	2	-4
20th	11.2	-1	-1.3	-0.5	-4.8	3.3	1.7	-0.1	-4.3	3.4

D-879

RUN 35   PT 26

V/OR = 0.113	ALFS,U = -2.00	CLRH/S = 0.098733	CTH/S = 0.098773
VKTS = 45.2	MTIP = 0.606	CXRH/S = 0.002860	CP/S = 0.004981

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	73.5		718		328.3		1280.1		-146.4	
RMS	391.1		375		450		429.9		191.9	
1/2 P-P	768.2		816		928		872.5		348.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	118.7	486.4	120	349.1	154.1	341.7	139.2	224.8	70.8	222.9
2nd	103.9	2.4	108.2	-25.3	165.1	-17.8	167.5	-32.3	91.3	29.9
3rd	23.3	-178.4	-38.3	-189.9	-44.7	-258.1	-84.1	-235.5	5.4	-38.5
4th	-13.6	47.2	-48.5	162.7	-74.3	221	-113.8	230.9	-32	-72.5
5th	-53.3	10.1	-79.9	189	-110.6	303.6	-89.2	334.7	9.8	23.9
6th	-3.9	-27.1	-1.6	15.6	-5.1	38.5	-37.4	65.3	-11.5	5.2
7th	19.3	-16.6	19.2	38.3	-3.1	58.2	-50.3	40.6	-0.7	-1.8
8th	6.3	-1.5	-1.2	-30.9	9.1	-18.9	28.4	21.1	10.1	14.2
9th	15.1	9.5	35	-6.5	18.1	-4.8	-10.6	4.7	0.5	-3.7
10th	20.2	27.2	32.4	36.6	11.9	4.9	-18	-23.4	7.2	-11.9
11th	-57.2	-39.7	-115.4	-48	-16.3	-6.2	81.9	30.8	-0.2	12.7
12th	-3	25	19.2	26.5	-12.2	12.2	-9.1	-13.8	-9.3	-5.7
13th	1.3	1.6	7.8	11.7	-0.2	-8.3	-5.3	-3.5	6	-5
14th	1	-0.2	-1.4	-1.8	14.2	0.5	1.3	-2.8	1.6	11.7
15th	-2.1	-0.5	-4.4	-8.8	-7.5	23.8	8.6	-1	-20.6	-8.7
16th	0.8	-1.9	-3.2	1.4	-17.8	-14.8	-2	4.9	12.3	3.5
17th	2.6	2.1	-6	-1.1	8.3	-3.3	-7.5	-0.7	-0.1	-1.2
18th	4.2	2.3	-1.2	-1.5	3.1	8.1	-5.4	-5	3	1.6
19th	4	-0.1	1.7	-0.3	-9.2	8	2.3	-0.5	-2.3	-1.4
20th	17.5	19.8	-14.6	-0.5	-32.7	-22.1	-41.7	-1.5	3.7	4.5

D-880

RUN 35   PT 27

V/OR = 0.060	ALFS,U = -2.00	CLRH/S = 0.100595	CTH/S = 0.100620		
VKTS = 23.9	MTIP = 0.603	CXRH/S = 0.002463	CP/S = 0.006680		

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	237.1		67		72.4		53.3		74.8	
RMS	87.2		58		51.6		118.8		56.6	
1/2 P-P	195.6		158.3		121.4		216.7		119.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-6.9	78.4	-22.1	17.3	-29.8	-11.6	-96.6	-28.7	-12.2	-7.3
2nd	21.4	12.2	5.4	-1.9	1.3	-7.4	-104.4	-39.5	-57.9	-6.7
3rd	-35.5	8.8	-36	20.8	-39.7	26.2	-37.4	53.8	-34.8	3.2
4th	-34.2	-25.8	-33.1	-12.5	-31.7	-8.1	20.3	10.6	24.5	-1.1
5th	35.3	-27.4	23.7	-22.5	16	-12.6	-16.9	11.2	20.3	3.3
6th	-14.2	5	-11.4	7.2	-8.6	5.4	7.9	-5.6	1.8	6
7th	-13.1	-39.4	-16.4	-27	-9	-12.6	6.4	-0.2	-15.3	6.4
8th	24.6	9.7	18	2.9	6.6	0.3	5.1	4	-3.3	-2.2
9th	-7.2	0.6	-5	0.4	-0.9	-0.2	-2.9	-0.2	1.9	-3.3
10th	-.9	-9.3	-8.2	-5.2	-1.9	-0.8	-5.3	-2.7	7	0.6
11th	-1.2	-14.6	-4.3	-8.2	-1	0.7	-3.1	-5.2	3.6	5.8
12th	-4.4	-4.9	-3	-2.1	1	0.5	-1.6	-0.3	-0.2	2.3
13th	-5.8	-2.4	-3.4	0.7	0.8	0.4	-0.4	0.9	-2	-1.4
14th	-3.2	-2.8	-1.6	0.8	0.9	1.1	1.1	1.3	-1.9	-2.4
15th	4.3	7.1	2	1.3	-2.4	-2.4	-3.3	-2.2	3.8	1.9
16th	-7.6	6.6	0	3.2	2.8	-3.8	1.7	-4.8	0.2	3.6
17th	-2.8	-0.6	-1	0	0.8	-0.6	1.5	-0.5	-0.9	0.7
18th	2.8	-1	0.1	-0.8	-1	0.8	-0.8	0.7	-0.9	0.3
19th	5.1	4.1	0.6	-0.5	-3.1	-0.8	-1.2	0.7	-3.2	-0.8
20th	-6.2	3.5	0.3	0	1.8	-3.4	-0.6	0.1	2.1	-4.6

D-881

RUN 35   PT 27

V/OR = 0.060 ALFS,U = -2.00 CLRH/S = 0.100595 CTH/S = 0.100620
VKTS = 23.9   MTIP = 0.603   CXRH/S = 0.002463 CP/S = 0.006680

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	103.6		700.4		229.8		1129.8		-223.5	
RMS	379.8		333.4		398.1		368		186	
1/2 P-P	722.3		725.1		850.8		808.8		354.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	48.4	508.6	105.5	358.5	196.6	347.5	235.8	231.8	31	225.2
2nd	76.4	25.6	70.6	0.4	91.2	4.6	94	-3	95.6	44.1
3rd	-1.8	-111.8	-48.1	-138	-57.5	-187.9	-83.7	-175.1	4.8	-21.3
4th	-26.3	8	-75.1	53.6	-110.6	70.9	-136.1	78.9	-35.9	-57.2
5th	-49.8	38.5	-109.1	169.9	-158.1	252.5	-138.1	255.2	23.9	24
6th	6.1	-24.7	-4.3	-17.9	-9.6	-9.2	-21.4	10.7	-2.7	7.9
7th	19.2	13.1	11.5	33.5	-8.3	32.2	-42	-4.7	-4.3	0.7
8th	4.9	3.9	-10	2.8	-3.1	4.5	18	7.2	5.9	-0.7
9th	-4.1	23.5	5.3	13.6	3.3	4.5	-0.2	-9.3	3.8	6.3
10th	14.1	28.2	23.5	23.4	6.1	7.7	-17.9	-16.8	2.2	2.5
11th	-1.4	16.9	8.6	24.9	3	3.6	-6.7	-19.9	4.2	1.5
12th	-29.7	20.2	-21.6	33.3	-16.3	15.5	10.3	-14.3	-3.7	-0.4
13th	-7.1	7.7	-1.9	16.2	-9	11	-2.2	-3.3	2.8	-1
14th	1.1	0.4	6.6	3.1	0.1	1.4	-2.4	3.2	3.8	-5.7
15th	-0.1	3	-8.3	4.1	1.2	10.3	-2	-2.4	1	3.1
16th	0.8	-0.1	6.5	-10.2	1.3	5.1	5.4	-3.3	-2.5	-6.1
17th	1.3	0	2.7	-1.1	-2.9	0.7	1.1	0.3	2.2	1.1
18th	2.3	2.7	-1.2	2.6	-0.3	-2.6	-3.2	2	-2.1	0.2
19th	-3.2	-3.5	-0.6	2.3	15.3	5.1	-3	1.1	-2.1	2.2
20th	12.4	10.7	-6.3	-6.9	-30.6	0.8	-15.2	-13.4	-2.8	-1.2

D-882

RUN 35   PT 28

V/OR = 0.050   ALFS,U = -2.00   CLRH/S = 0.100300   CTH/S = 0.100328
VKTS = 20.0   MTIP = 0.605   CXRH/S = 0.002546   CP/S = 0.006976

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	237.7		68.9		76.5		79.6		84.1	
RMS	81		47.1		39.7		110.7		50	
1/2 P-P	160.2		111		94.9		195.1		103.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-10.9	82.2	-22.8	19.8	-28.4	-9.2	-109.4	-29.4	-12.7	-5.5
2nd	14.4	12.6	3.4	0.7	0.9	-3.4	-90.8	-33.3	-56.5	-11.2
3rd	-29.7	-0.2	-26.5	10.5	-27.7	15.1	-17.4	31	-23.8	-1.3
4th	-23.2	-25.3	-22.7	-13.5	-21.5	-9.7	12.9	11.8	19.9	2.8
5th	34.2	-12.2	27.3	-10.7	20.6	-3.9	-21.4	4.4	10.7	6
6th	-7.3	-3.1	-5.4	-0.1	-3.9	1.1	2.8	-2.2	-0.2	3.1
7th	-0.3	-31.2	-5.4	-22.1	-4.1	-10	3.7	0.8	-9	-7
8th	17.9	1.4	12.2	-1.5	4.4	-1.2	3.8	1.2	-0.5	-4.3
9th	1	-0.6	0	-1.8	-0.3	-0.9	0.5	-1	2	-1.9
10th	-10.1	-8.6	-7.8	-3.8	-1	0.6	-5.4	-2.3	5.2	2.8
11th	5	-28.4	-2.9	-15.9	-1.7	2.7	-2.5	-9.4	0.9	8.6
12th	-4.2	0.6	-1.7	0.9	0.6	-0.4	-0.8	0.5	-0.3	-0.4
13th	-6.7	-6	-3.6	0.7	1.8	1.9	0.9	2.4	-1.8	-2.3
14th	1.2	-4.4	-0.1	-0.5	0	2.3	0.2	1.9	0.2	-2.2
15th	1.6	9.8	2.5	2.3	-1.5	-3.5	-2.2	-3.6	2.6	3.2
16th	-10.1	-0.5	-1.9	2.3	4.4	-1.1	4.8	-2.6	-2.2	1.8
17th	0.3	-0.4	-0.2	0.1	-0.5	-0.1	0.2	0.2	-0.2	1.3
18th	3.6	2.6	1.1	-0.4	-2.2	-0.6	-1.9	-0.1	-0.9	-0.5
19th	-1.2	3.6	0.8	-0.2	-0.3	-2.2	-1	0	0	-2.8
20th	3.9	-3.1	-0.7	-0.3	-0.7	2.2	0.9	-0.4	-0.9	1.9

D-883

RUN 35   PT 28

V/OR = 0.050	ALFS,U = -2.00	CLRH/S = 0.100300 CTH/S = 0.100328
VKTS = 20.0	MTIP = 0.605	CXRH/S = 0.002546 CP/S = 0.006976

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	97.4		692.1		209.8		1097.3		-243.3	
RMS	368.9		298.8		338.4		305.8		177.4	
1/2 P-P	649.8		623.4		702.3		660.7		336.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	11.4	507.1	79.3	356.8	170.3	343	221.6	231.8	22.7	221.7
2nd	48.3	18.4	44.6	-5	59.3	-3.3	62.1	-8.6	76.7	40.3
3rd	-26.6	-87.2	-53.4	-100.9	-60.8	-134.1	-72.7	-123.5	-5.7	-25.5
4th	-17.4	-8.2	-51.7	14.8	-74.1	16.8	-92.2	20.5	-18.2	-56.4
5th	-43.9	20.8	-76.5	125.2	-105.6	192.4	-78.7	202.6	14.3	32.3
6th	4.5	-14.5	3.5	-4.3	2.1	4.2	-4.1	12.2	-2.9	2.1
7th	11.8	7.7	5.4	25.6	-5.8	23.3	-21.4	-7.6	-1.7	-4.1
8th	2.2	1.5	-10.4	4.5	-5.7	2.7	10.5	-0.4	9.3	0.4
9th	-7.2	10.9	-4.2	7.6	-0.4	2.8	4.5	-4.5	-1.8	8.4
10th	9.7	14.5	18.8	13.5	4.4	3.4	-12.9	-11.1	-0.4	-2.7
11th	-6.6	16	2.5	39.1	2	2.1	-0.2	-30.2	5.6	-1.6
12th	-16.2	-7	-17.9	-3	-12.7	0.1	7.1	3.5	-0.3	-0.7
13th	-4.2	13.1	7.9	27.7	-3.7	16	-3	-4	1.9	-6.2
14th	0.4	-0.9	4.8	-0.7	3.8	-6.9	-1.5	1.3	3.5	-5.4
15th	-0.7	0.3	-4.1	4.3	4.8	17.5	1.1	-2.3	-5.4	6.7
16th	0.8	-1.3	11.3	-13.6	-2.8	-7.6	5.9	-0.5	4.1	-8.1
17th	-0.1	-0.7	-0.8	0.2	-0.4	-0.7	-0.6	0.6	2.6	-0.9
18th	-2	0.9	-2	-0.6	7.5	-2.8	-2.1	-2.1	-1.9	-0.7
19th	-1.6	0.1	-1.7	-3.3	2	1.1	-1	-5.6	-2.6	-1.1
20th	-3	3.7	0.4	-0.4	1.4	-14.1	-1.7	-0.9	3.1	-0.2

RUN 35   PT 29

V/OR = 0.042   ALFS,U = -2.00   CLRH/S = 0.100686   CTH/S = 0.100714
VKTS = 16.7   MTIP = 0.604   CXRH/S = 0.002555   CP/S = 0.007296

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	238.4		72.4		80.7		100.7		92.2	
RMS	71.4		34.9		27.7		104.7		42.1	
1/2 P-P	138.9		69.7		56.5		168.7		90.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-15.7	85.5	-22.7	23	-24.7	-6.3	-124.7	-28	-12.6	-5.5
2nd	6.8	12.2	0.6	2.1	-0.6	-1.4	-61.9	-28.2	-50	-8.8
3rd	-22.9	-2.7	-19.9	6.6	-20.3	10.2	-12.2	22.3	-18.5	-0.2
4th	-5.6	-17.7	-7.2	-11.9	-6.8	-10	2.2	10.8	11.9	1.6
5th	16.5	-14	10.8	-9.4	7.6	-3	-7.9	3.7	9.7	3
6th	4.3	-6.7	2	-5.5	0.2	-3.2	0	1.6	0.6	2.2
7th	-8.5	-15.3	-10	-9.9	-7	-4.7	3.3	0	-7.8	-4.3
8th	14.5	-6.7	8.6	-6.9	2.9	-3.1	3.7	-1.2	0	-3.4
9th	-4.3	-1.1	-2.9	-1.4	0.1	-1.1	-1.7	-0.4	1.2	-0.6
10th	-8.1	-3	-6	-0.9	-1.1	0	-4.3	-0.2	3.6	0.2
11th	0.3	-12.9	-2.1	-6.9	-0.5	1.1	-1.5	-4.1	0.3	3.9
12th	-6.4	-1.7	-3.4	0.3	1	0.1	-1.1	0.8	0.1	-0.1
13th	-4	-1.9	-2.5	1.1	0.7	0.6	0	1.4	0.2	-1.6
14th	2.6	0.6	1	-0.1	-0.9	0.6	-0.6	0.4	1	-0.6
15th	3	10.4	2.9	2.6	-2.2	-3.5	-2.9	-3.9	2.7	3.7
16th	-3.2	2.5	-0.5	1.6	1	-1.4	1	-2	-1	1.9
17th	3.8	0.7	0.9	-0.9	-1.9	0.1	-1.6	0.9	0.3	-0.4
18th	0.9	1.2	0.4	-0.3	-0.4	-0.4	-0.7	0	0	-0.9
19th	-0.8	-0.5	0.1	-0.1	0.5	-0.1	0	0.3	1	-0.3
20th	4.5	-3.6	-0.8	-0.2	-0.7	3.1	0.8	-0.1	-1.9	3.2

D-885

RUN 35   PT 29

V/OR = 0.042   ALFS,U = -2.00   CLRH/S = 0.100686   CTH/S = 0.100714
VKTS = 16.7   MTIP = 0.604   CXRH/S = 0.002555   CP/S = 0.007296

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	95		681.7		185		1069.7		-260	
RMS	357.6		276.6		304.2		272.8		163	
1/2 P-P	635.6		608.1		664.6		562.8		310.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-6.2	497.6	65.4	347.9	148.1	328.9	199.1	222.3	19.7	215.6
2nd	18.5	10.3	19.7	-8.4	31.6	-6.6	38.1	-9.3	54.5	30.3
3rd	-15.1	-73.7	-33.4	-82.4	-39.1	-106.1	-47	-94.6	-4.3	-21.3
4th	-2.3	-1.8	-14.1	8	-21.4	8.4	-29.4	5.6	2.9	-32.4
5th	-1.9	25.6	-0.3	126.5	-4.3	196.4	7.1	209.6	10.1	15.3
6th	8.3	-2.4	-0.7	2.6	-5.5	5.6	-7.9	2	3.5	3.3
7th	13.4	4.6	11.1	12.9	3.1	13.6	-17.3	1.8	-1	-5.3
8th	2.5	2.3	-7.2	9	-4.6	6	7.5	-2.1	4.4	-2.4
9th	-4.2	21.6	3.2	12.7	1	1.8	-1.7	-13.7	-0.7	2.6
10th	9.4	14.9	16	9.9	4	3	-11.6	-8.1	0.7	-0.9
11th	2	8	8	17	3.2	1	-3	-12.2	3.6	-0.9
12th	-15.6	10.9	-7.9	16.5	-9.6	9.3	3	-5.7	-1	0.7
13th	-1.5	11.4	5.5	18.5	-2	12.1	-3.2	-3.9	1.5	0.5
14th	0.6	1.3	1.9	1.1	4.7	0.3	-1.2	0.3	2.8	-0.5
15th	-0.9	0.8	-6.7	-2.5	3.9	10.4	0.6	-1.8	-5.1	2.4
16th	-0.6	-0.7	0.1	-7	-2.7	-0.8	1.1	-1	3.4	-2.7
17th	-1.9	1.7	-1.8	-1.2	5.4	-5.1	-1.2	-1	-1	1.3
18th	0.2	2	-1	-1.4	0.4	-2.3	-2	-2.4	-1.7	0
19th	-2.3	2.2	-0.6	-1.7	-1.1	-4.4	0.5	-3.6	-0.6	-2.5
20th	1.2	2.8	-2	4.3	-3.9	-6.4	-5.2	5.9	2.9	2

D-886

RUN 35   PT 30

V/OR = 0.031
VKTS = 12.2

ALFS,U = -2.00
MTIP = 0.607

CLRH/S = 0.100207
CXRH/S = 0.002770

CTH/S = 0.100243
CP/S = 0.007893

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	239.6		71.2		80.3		83.4		98.4	
RMS	66.6		28.8		19.4		85.3		35.8	
1/2 P-P	125.5		73.3		50.7		122.7		69.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-21.1	86.3	-22.3	25.5	-19.6	-1.9	-112.4	-29.8	-26.9	-6.9
2nd	3.3	9.8	1.6	3.3	2.1	1.9	-17.4	-13.5	-37.8	-9.4
3rd	-4.5	-5.3	-5.1	1.9	-6	5.8	-3.7	14.8	0.9	0.6
4th	-0.9	-13.5	-4.9	-10.2	-5.7	-8.8	3.4	10.1	12.6	5.8
5th	-0.8	0.2	-3.9	4.2	-5.2	6.6	5.2	-7.6	1.4	-0.9
6th	-6.5	-6.3	-8.4	-3	-7.2	-0.7	6.7	0.3	-3.2	-3.1
7th	0.8	10.4	2.5	6.4	1.2	2.9	-1.5	0.5	1	1.8
8th	-10.5	-2.8	-7	-0.5	-2.3	-0.3	-2.5	-0.8	-1.2	0.8
9th	3.5	1.6	5.1	-0.3	3	-0.3	1.7	0.5	1.3	-0.7
10th	-0.9	0.4	0.1	0.4	0.4	0.7	0	0.4	0.4	-0.5
11th	12.9	-12.5	4.4	-8	-2.4	1.9	2.3	-5	-2.7	3.8
12th	-0.9	0.9	-0.2	0.6	-0.6	0.1	-0.1	0.2	-0.2	0
13th	-0.6	-2.4	-1.4	-0.9	-0.6	0.2	-0.7	0.4	1	-0.2
14th	0.2	0.8	0.2	0.1	-0.5	-0.2	-0.2	-0.2	-0.1	0.2
15th	-1.8	3.9	0.1	1.3	-0.2	-1.5	0	-1.9	-0.7	1.5
16th	0	0.5	-0.2	0.1	-0.7	-0.4	0.1	-0.1	0.3	0.4
17th	0.2	0.5	0.2	-0.3	-0.6	-0.8	-0.3	0	0.5	-0.2
18th	0.2	-0.3	-0.1	0.2	0.1	-0.2	0.2	0	-0.3	0.1
19th	0.6	-1	0	0	0.3	0.6	0	0.2	-0.2	0.5
20th	-2.3	-1.9	-0.1	-0.2	2.1	0.1	-0.3	0.2	2.3	0.3

D-887

RUN 35　　PT 30

V/OR = 0.031　　ALFS,U = -2.00　　CLRH/S = 0.100207　　CTH/S = 0.100243
VKTS = 12.2　　MTIP = 0.607　　CXRH/S = 0.002770　　CP/S = 0.007893

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MPR3	
MEAN	118.4		721.6		230.7		1130.4		-263.1	
RMS	337.2		237.4		235.5		195.9		148.3	
1/2 P-P	548.6		464.5		502.3		401.5		265.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-63.9	467.7	13	323.9	87.1	299.8	136.6	202	14.1	203.6
2nd	-6.6	4.8	-6.7	-4.3	-7.5	-4	-1.8	-4.7	27.9	17.2
3rd	6	-54.7	-5.4	-49.6	-9	-57.2	-13.3	-48.3	8.1	-21.4
4th	7.1	1.9	0.4	6.5	0.8	6.5	-6.6	2.5	7.2	-18.1
5th	12.5	2.5	7.2	55.9	4.6	93.2	-0.2	112.1	-6.3	8.4
6th	14.7	-0.3	1.4	2.7	-6.8	3.7	-23.9	2.3	4.7	-3.1
7th	-12.6	9.4	-4.7	-2.8	2.6	-7.4	11.6	-5.8	-1.3	1.8
8th	2.4	2	9.8	2.2	5.7	1.6	-3.8	0.4	-1.3	-6.5
9th	-29.4	5.6	-19	5.9	-5.7	0.5	18.3	-6.3	-1.3	-0.7
10th	-1.1	-4.9	-1.1	-3.8	-2.2	-1.5	-0.6	2.5	1.3	0.8
11th	-4.3	-1.4	-10.3	12.1	0.5	-3	7.1	-9.8	1.4	-0.4
12th	-1.1	-7.7	-2.9	-8.5	-2	-3.3	0.8	5.1	-0.9	-2
13th	-6.5	7.8	-5.6	17.5	-5.6	10.2	0.1	-4.9	-0.9	1.5
14th	-0.2	0.3	0.2	-1.2	0.5	-0.2	0.1	-0.6	-1	0.4
15th	-0.2	0.2	-4.5	-0.6	-5.4	5.9	-0.2	0	-3.4	0
16th	0.3	-0.2	1.9	1.7	1.7	2.8	-0.1	0.4	1.6	1.7
17th	-0.2	1	0.4	-1.5	1.4	-2.1	0.5	-1.4	-0.6	0.9
18th	0.5	-0.3	0.7	1.5	0.5	1.5	0.4	1.5	0.4	-1.6
19th	-0.7	0.8	-0.1	-0.3	-0.1	-3	0.4	0.2	-0.1	-0.2
20th	-3.5	6.1	3.4	-1.4	-2	-11	5.5	-7.4	-0.7	-1.7

D-888

RUN 39　　PT 21

V/OR = 0.249　　ALFS,U = 5.00　　CLRH/S = 0.099303　　CTH/S = 0.099721
VKTS = 99.2　　MTIP = 0.606　　CXRH/S = -0.009130　　CP/S = 0.000716

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	193.3		13.9		6.1		-110.4		-2.3	
RMS	60.6		65.6		84		100.8		30.1	
1/2 P-P	152.5		137.7		145.5		187.7		70.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	34.9	12.1	42.5	-51.1	54.8	-88	53	-96.7	-15.1	-25.2
2nd	-1.5	27.1	-13.5	36.1	-23.3	46.4	-61.9	44.6	-15.1	16.7
3rd	10.9	-21.6	8.5	-20.6	6.7	-14.2	19.7	36	0.5	8.3
4th	8.6	-4.7	5.6	-7.3	-1.4	-6	4.8	1.4	4.4	1.7
5th	8.7	-3.8	7.8	-1.9	5.9	2.5	-6.6	-12.1	3.2	-1.8
6th	3.1	-3.5	2	-3	-0.5	-0.8	0.4	-6.8	0.4	-0.2
7th	20.3	9.6	15.1	4.2	5.2	2.6	-2.3	-2.5	2.5	1
8th	-15.3	46.8	-3.2	35.5	-1.5	12.7	-7.5	5.8	0.9	9.7
9th	-10.5	20.1	-1.3	12.6	1.1	0.9	-5.8	6.5	5	-0.5
10th	3.5	20.4	5.5	10.3	-0.1	-0.9	0.5	6.9	2.1	-3.5
11th	-12.5	-0.8	-5.4	1.5	1.9	-0.1	-5.3	1.1	4.7	0.7
12th	9	-7.8	2.2	-6	-2.2	0.7	-1.7	-2.4	1.7	2.4
13th	9.8	-9.7	2.9	-5.7	-1.8	2.8	-1.1	0.3	1.9	-1
14th	6.5	-6.5	1.1	-4.4	-1.2	2.2	-1.2	1.1	1.7	-1.1
15th	5	5	1.5	-0.5	-2.7	-1.8	-2.5	-2.3	2.2	3.5
16th	2.5	8.8	2.9	2.5	-1.6	-4.4	-2.3	-4.3	3	4.5
17th	-1	6.4	-0.3	2.1	-0.3	-3.3	0.6	-3.3	0.6	0.5
18th	2.8	5.5	0.2	1	-2	-2.5	-0.4	-1.6	-1.3	-1.7
19th	6.4	4.7	0.6	-0.3	-4.1	-0.9	-0.5	0.2	-3.3	-1.5
20th	-3.4	14	0.2	-0.5	-1.9	-8.1	0.8	1.9	-0.9	-8.2

D-889

RUN 39 PT 21

V/OR = 0.249 ALFS,U = 5.00 CLRH/S = 0.099303 CTH/S = 0.099721
VKTS = 99.2 MTIP = 0.606 CXRH/S = -0.009130 CP/S = 0.000716

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-74.1		639.4		334.8		1366.8		-79.8	
RMS	431		419.7		521.3		432.1		159.9	
1/2 P-P	629.8		718.3		869.4		779.3		273.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-161.7	564.1	-242.8	480.2	-356	551.1	-340.9	400.9	88.9	196.6
2nd	104	-36.6	134.8	-83.7	189.6	-154.5	179.6	-147.5	14.4	20.8
3rd	-109.3	27.8	-135.7	73.2	-145.7	77.4	-124.1	31.6	25.7	-50.7
4th	30.2	7.7	48.1	23.5	72.9	34	75	20	-5.1	3.6
5th	-20.3	8.5	13.9	69.8	41	110	57.3	108.5	3.6	-4.2
6th	-15	-1.3	-15.7	31.3	-7.9	48.9	-11.2	41.2	4.7	3.8
7th	-1	-5.5	-8.5	-2.2	4.6	0.5	14	4.8	1.8	-1.8
8th	3.8	-12.1	8.2	-40.4	12.2	-21.2	-6.4	30.3	-4.8	8.7
9th	3.5	12.4	8.5	-11.6	2.5	-9	-12.3	0.1	-4.3	-0.6
10th	7.8	-3.3	-0.7	-19.1	5.5	-2.1	4	16.7	-0.6	6.3
11th	-1.6	2.7	10.5	-5.2	1.2	-4.6	-6.5	0.3	-9.7	-1.1
12th	-17.3	11.4	-22.4	20.6	-9.2	1.3	6.9	-13.9	6.5	8.4
13th	10.2	-1.3	6.2	0	7.9	-13.1	-4.3	-1.9	-3.4	-2.6
14th	3.9	0.1	4.3	-1.6	7.4	-10.3	-1	0.6	1.4	3.5
15th	-0.5	-2.2	-4.7	-3.2	4.1	4.4	0.1	-1.7	-0.9	5.8
16th	-2.6	-3.6	-14.3	-14.4	-4	-0.7	1.9	-5.9	-9.6	-9.4
17th	-0.3	-0.5	2.1	-6	5.5	7.8	0.6	-6.7	5.1	2.1
18th	2.9	-1.9	-5.3	-3	0.1	7.8	-7.2	-5.3	-2.6	1
19th	-6	-6.7	0.4	1.3	22.3	6.5	-1.5	-0.5	1.2	-1.4
20th	10.7	-8.2	-4.4	-3.3	-0.5	32	-10.6	-10.6	-2.6	2.4

D-890

RUN 39   PT 22

V/OR = 0.223   ALFS,U = 5.00   CLRH/S = 0.099675   CTH/S = 0.100080
VKTS = 89.0   MTIP = 0.607   CXRH/S = -0.008999   CP/S = 0.001036

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	199.8		18.8		9.7		-112.5		-3	
RMS	54.2		54.1		70.7		92.3		29.8	
1/2 P-P	122.6		108.9		118.8		166.3		82.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	31.1	18.1	33.5	-40.6	40.7	-73.3	30.9	-78.1	-15.3	-21.2
2nd	-1.4	20.1	-16.2	27	-29.4	36.4	-74.9	44.1	-17.5	15
3rd	0.5	-24	-1.3	-20.8	-2.9	-13.6	4.2	43.2	-1.5	7.6
4th	-4.8	-13.5	-7	-13.5	-10.7	-11.2	10.4	8.5	8.1	0.6
5th	11.9	-13.7	11	-11	10.1	-3.3	-7.5	-3.3	-1	-3.9
6th	4.2	-11.4	2.4	-11.1	1.9	-5.5	2	-0.8	-6.9	-1.9
7th	14	-6.4	9.1	-7.4	3.5	-3	1	-0.8	-3.6	0
8th	4.1	19.4	6.4	12.8	3.4	4.5	0	1.4	3.2	5.4
9th	1.8	-3.1	0.7	-2.6	0.4	-0.8	1	-1.9	2	-0.2
10th	4.9	-14.2	0.7	-8.9	0.1	0.1	1.8	-5.4	-1.6	2.5
11th	10.4	-36.7	-1.2	-20.2	-1.1	3.3	0.4	-12.1	-2.7	10
12th	6.1	-17.2	-0.5	-9.3	-0.7	2.5	0.6	-4.2	-0.9	3.8
13th	-2.5	-11.3	-4	-4.5	1	2.7	0.9	-1.1	0.8	0.1
14th	-11.9	-8.5	-4.3	-0.6	5.6	1.5	5.1	0.2	-4	-1.1
15th	-7.9	-0.2	-2.9	1.3	3.2	-1	3.2	-1.3	-2.4	1.5
16th	-1	6.2	1.3	1.5	-0.1	-2.5	-1.4	-3.5	1.6	2.1
17th	-1.6	5.8	0.3	0.6	0	-2.7	-2.1	-2.9	1.6	0.9
18th	-0.2	3.1	0.4	0	-0.2	-1.9	-2.4	-1	2.7	1.7
19th	-1.4	-2.4	-0.2	-0.2	2	1	-1.5	0.4	4.9	3.4
20th	7.3	-8.8	-1.8	0.5	0.2	6.6	-0.4	-0.7	0.5	9

D-891

RUN 39   PT 22

V/OR = 0.223   ALFS,U = 5.00   CLRH/S = 0.099675   CTH/S = 0.100080
VKTS = 89.0   MTIP = 0.607   CXRH/S = -0.008999   CP/S = 0.001036

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-51.4		658.9		349.3		1382.1		-77	
RMS	415.2		384.5		453.4		375.6		157.9	
1/2 P-P	638.3		668.5		831.7		755.4		273.8	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-135.1	546.7	-196.1	443.6	-271.9	484.4	-252.9	345.7	81.5	194.6
2nd	112.8	-25.1	133.8	-63.7	192.5	-129.1	181.7	-132.4	18.3	15.2
3rd	-97	11.2	-113	48.1	-114	46.1	-97.6	11.1	20.2	-53.2
4th	24.3	-1.4	30.3	4.5	47.8	3.6	44.7	-7.5	-15.7	-2.7
5th	5.3	25.1	78.6	65.2	128.6	86.7	158.2	68.9	0.9	-6.4
6th	-7.1	12.7	3.9	43.1	8.2	58.5	9	37.8	-1.2	17.7
7th	-1.8	8.3	0.7	7.6	8	0	15.7	-17.6	0.3	2.9
8th	3.8	-8.4	-1.1	-19.1	2.6	-13	8.1	6.7	0.9	5.6
9th	-0.2	12.2	0.3	8.2	-1.6	-1.1	0.4	-11	2.6	-0.1
10th	13.7	10.5	11.7	18	4	3.2	-1.5	-15.1	0.4	-1.6
11th	-12.9	40	1.1	67.1	1	10.3	5.8	-46.5	8.8	-6.7
12th	-8	39.4	3.4	58.7	-0.7	20.3	-0.3	-29.1	-4.8	2.3
13th	-11.8	-1.2	-15.7	15.8	-21.3	3.3	4.1	-5.1	9.5	-5.2
14th	-1.5	-2.5	5.5	-2	-16.2	-4.4	4.3	1.4	-18.6	-10.1
15th	1	0.5	-0.4	0.6	-14.8	6.7	1.7	-0.4	1.3	0.6
16th	0.1	0	-9.2	-3.8	-9.5	7.7	-2.1	-3.7	-9.8	1.7
17th	0.9	1.6	1.8	-6.7	2.7	3.7	-0.7	-3.6	1.8	7.2
18th	1.5	-3.9	-1.4	-1.6	1.5	6.6	2.2	2.1	-0.1	0.4
19th	-13.4	6.7	3.7	-6.5	6.8	-23.5	15	-9.6	-0.6	-0.9
20th	-3.5	6.3	1.4	5.2	-3	-22.5	0.1	7.1	9.4	-0.1

RUN 39   PT 23

V/OR = 0.198   ALFS,U = 5.00   CLRH/S = 0.099661   CTH/S = 0.100077
VKTS = 78.7   MTIP = 0.605   CXRH/S = -0.009128   CP/S = 0.001311

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	202		21.6		11.2		-105.4		-3.1	
RMS	56.2		46.8		58.7		82.7		30	
1/2 P-P	147.8		96.5		103.5		160.7		79.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	20.9	27.2	22.7	-29	28.1	-58.7	18.4	-64.3	-16.1	-15.7
2nd	-2.1	15.3	-18.1	19.4	-32.2	27.1	-71.8	34.4	-20.3	13.6
3rd	-4.3	-17.2	-6.3	-11.5	-10.9	-2.9	-2.7	45.6	-3.1	9.2
4th	-12.9	-13.5	-14.1	-11.3	-17.1	-8.1	9.2	4.6	10.2	2.3
5th	5.4	-4.9	5.6	-1.1	4.9	5.3	-6.5	-10.2	-0.5	-3.4
6th	3.9	-4.4	2	-3.6	0.8	1.1	0.5	-2.3	-5.3	-0.3
7th	19.9	10.3	15.7	4.8	7.5	2.4	-2.1	1.1	2	1.3
8th	1.3	32	6.5	22.9	3.7	7.8	-1.6	4.9	2.5	4
9th	9.7	7.3	8.6	2	3.3	-1.6	3.6	0.9	-1.7	-0.5
10th	18.7	-3.7	10.9	-6.2	0.9	-1.9	7	-5.5	-6.8	5.5
11th	42.2	-0.2	22.1	-7.5	-4	-1.3	13.2	-7.3	-10.6	6.6
12th	8.7	7.9	5	1.6	-2.1	-2.3	2.8	-1.6	-1.2	-0.7
13th	2.7	9.5	2.6	3.6	-1.2	-2.5	2.3	-1.9	-2.9	-0.8
14th	-3.3	11.8	2.3	4.7	0.5	-4	3	-4.7	-5.8	3.4
15th	-2.6	7.9	0.5	2.9	-0.5	-2.9	0.7	-4.4	-2.8	3.3
16th	9.9	2.5	2.2	-1.5	-4.9	0.2	-4.8	1.2	2.4	-2.6
17th	14.2	0.9	3.4	-2.9	-6.2	2.4	-5.5	3.9	0.7	-5.1
18th	10.2	-1.8	0.4	-2.6	-4.2	3.1	-1.3	4.2	-4.9	-2.3
19th	4.4	0.5	0.2	-1	-2.2	1.5	0.1	1.4	-4.3	-0.9
20th	-8.9	1.8	0.6	0.6	3.8	-3.1	-1.1	0.6	3.6	-2.9

D-893

RUN 39   PT 23

V/OR = 0.198   ALFS,U = 5.00   CLRH/S = 0.099661   CTH/S = 0.100077
VKTS = 78.7   MTIP = 0.605   CXRH/S = -0.009128   CP/S = 0.001311

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
MEAN	-52.7		655.2		347.3		1374.4		-75.4	
RMS	389.1		340.1		389.4		325.5		151.2	
1/2 P-P	635.7		636.2		758.3		673.5		280.8	
HARMONIC										
1st	-115.4	521.3	-151.8	404.6	-197.2	423.1	-179.7	292.7	62.8	193.2
2nd	92	-16.4	113.1	-48.8	180	-103.5	174.5	-113.7	21.9	7.4
3rd	-71.7	-29.8	-90.3	-3.9	-85.2	-17.7	-80.2	-39.2	23.3	-43.2
4th	24.3	-4.3	25.2	7.3	39.5	6.9	20.9	0	-16.8	-10.9
5th	20	8.5	97.2	48.9	154.3	68.7	171	73.4	1.9	-4.2
6th	-2.3	-1.8	-1.6	28.1	-1.1	43	-3.5	44.3	5.2	14.3
7th	-11.7	6.4	-10.4	-2.3	3.1	-7.7	29.4	-4.9	0.5	0.7
8th	-1.7	-5.9	-0.7	-23.9	5.1	-11	14.9	20.1	-0.4	6.2
9th	-4.4	18.4	-2.7	4.1	3.1	-1.7	12.5	-11.9	-0.7	0.3
10th	3.3	11.4	-7.3	8.2	3.5	-1.5	16.3	-18.6	-2	4.1
11th	-32.8	-1.2	-65.6	10.6	-12.9	-2	41.4	-14.9	7.6	-1
12th	-11.1	12.7	-24	14.5	-11.6	15.9	4.4	-7.2	-0.7	1.7
13th	5.9	-17.7	-9.4	-26.7	-2.6	-3.9	2.6	11	1.5	-12.8
14th	-3.1	-4.3	-6.7	-11.3	-2.4	10	6.7	1.6	-19.6	-1.6
15th	-2.6	-0.6	-5.5	-7	-2.1	6.3	1.6	-3.4	-1.1	-1.3
16th	-1.2	-0.4	-16.6	3	0	-1.1	-9.2	-1.4	0.9	10.7
17th	-4.7	1.5	-8.7	0.8	18.8	-13.1	-6.3	0.9	-1	3.6
18th	-4.2	-1	-6.1	7.3	11.2	-7.9	-5.7	4.4	3.9	8.2
19th	-9.8	4.1	-1.8	0.2	11.6	-14.6	-0.2	-5.7	5.2	-1.5
20th	1.8	-1.5	2.3	-2.1	-6.2	10.3	5.9	-5.3	-1.8	-3.3

D-894

RUN 39　　PT 24

V/OR = 0.173	ALFS,U = 5.00	CLRH/S = 0.100281	CTH/S = 0.100694	
VKTS = 69.0	MTIP = 0.605	CXRH/S = -0.009110	CP/S = 0.001759	

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	206.8		25.4		15		-98.1		-2.6	
RMS	65.6		44.1		48.7		77.9		33.3	
1/2 P-P	160.4		104.5		93.1		173.4		86.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	15.4	32.5	11.9	-19.6	14.6	-45.6	-0.7	-52.7	-18	-14.1
2nd	-0.6	12.1	-18.8	14.1	-32.9	20.2	-71.1	30.5	-25.8	11.7
3rd	-10.3	-10.4	-12.6	-3.2	-16.8	4.6	-15.7	45.1	-7.4	10.3
4th	-16.4	-13.5	-16.7	-9.6	-16.3	-7.4	5.6	4.9	7.8	4.2
5th	4.5	0.1	4.9	2.4	3.7	6.2	-3.3	-12.1	-2.5	-0.4
6th	-0.5	-4.3	-1.1	-3.6	-1.5	-0.1	0.1	-5.3	-3.5	3.1
7th	3.5	5.8	2.9	3.2	1.9	1	-5.9	-1.4	3	2.2
8th	-16.7	-4	-11.8	0.5	-3.4	0.3	-6.2	0.6	0.2	-2.1
9th	-13.3	-3.9	-9	-0.1	-1.5	-0.2	-3	0.9	-2.9	-1.3
10th	-17	14.6	-7.4	11.4	0.1	0.2	-3.6	6.3	-1.9	-2.4
11th	-69.1	19.3	-31.2	23.9	8.1	-1.3	-18.5	13.7	13.6	-7.5
12th	-17.6	2.2	-7.1	3.9	3.4	-1.7	-3.5	1.1	1.9	0.3
13th	-4.1	17.1	2.2	8.3	0	-4.5	0.3	-2.2	-1.7	4.2
14th	1.3	18.5	6	5	-0.7	-6.7	-1	-7.3	-0.1	8.2
15th	3.6	12.2	4.5	2.8	-2.4	-4.1	-2	-5.3	1.1	3.2
16th	4.1	-2.7	0.5	-1.2	-1.7	1.5	1.2	2.7	-3.6	-3.8
17th	2.2	-9.3	-1.6	-2.7	0.1	4.7	3.5	5.9	-5.4	-2.1
18th	-0.8	-5.8	-1	-0.9	1.4	2.8	2.2	2.5	0	1.4
19th	-3.4	1.7	0.4	-0.3	0.7	-1.6	-0.1	1.3	4.6	-3.6
20th	-15.5	7.2	1.4	-0.2	4.7	-7.4	-1.8	2.7	7.7	-12.4

D-895

RUN 39   PT 24

V/OR = 0.173   ALFS,U = 5.00   CLRH/S = 0.100281   CTH/S = 0.100694
VKTS = 69.0   MTIP = 0.605   CXRH/S =-0.009110   CP/S = 0.001759

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-21.7		673.9		361.6		1381.2		-80.8	
RMS	381.1		320.4		342.6		281.4		151.6	
1/2 P-P	629.7		569.8		662.1		654.3		371	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-84.8	510	-94.3	382.8	-105.1	382.3	-93.9	250.7	56.9	194.4
2nd	99.9	-26.4	115.6	-57	183.4	-103.7	177.5	-115.2	31.9	5.7
3rd	-57.7	-56.3	-79.6	-42.8	-74.1	-67.8	-76.9	-84.9	23.5	-33.3
4th	8.8	-13.8	1.1	9.7	2.7	18.4	-22.4	12.4	-19.4	-11.3
5th	10.5	-4.1	65.5	29.6	110.5	47.3	121.9	53.4	0.7	9.2
6th	-0.5	-2.7	4.8	29.6	11.2	49.6	5.4	49.7	14.1	12.4
7th	-0.3	14.2	8.2	5.4	14.2	-1.7	14.6	-4.7	5.7	1
8th	19.2	-7.4	27	-5.4	16.6	-1.2	-10.4	5.9	3.4	-7
9th	4.4	3.9	15.2	-2.7	10.6	-4.1	0.7	-3.4	-1.8	-2.4
10th	16.3	0.9	19.1	-19.4	2.5	-4.3	-11.5	10	0	-5.1
11th	56.3	-30.9	91.3	-72.8	10.9	-15.1	-61.8	46.4	-10	-12.3
12th	-2.4	14.5	16.4	6.4	-1.5	6.8	-7.1	-5.2	-6.6	3
13th	24.1	26	44.9	7.3	32.9	22	-10.6	-5.4	0.4	-7.6
14th	6.9	2.8	3.9	-13.9	9	10.6	-1.2	-4.6	-20.2	6.9
15th	4.8	-5.4	-3.3	-18.3	6	-0.4	-2.5	0.2	-3.6	-1.2
16th	0.2	-5.2	-3.9	1.5	1.4	-2.9	-1	5.7	7.5	2.8
17th	-3.7	5.3	-0.8	6.1	-2.9	-17.4	2.2	0.2	8.8	4.8
18th	-2.8	7.1	5.5	2.6	-1	-15.1	4	-6.1	0	-6.8
19th	1.6	7.9	0.9	-2.9	-5.6	-6.2	-2.6	-11.6	-4.2	1.1
20th	9.6	0.2	-1.2	-7.7	-20.3	20.8	3.9	-14.1	-6.9	-1.3

RUN 39   PT 25

V/OR = 0.151   ALFS,U = 5.00   CLRH/S = 0.099789   CTH/S = 0.100203
VKTS = 60.1   MTIP = 0.606   CXRH/S = -0.009101   CP/S = 0.002228

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	208		24.7		14.6		-89.4		1.1	
RMS	60		40.6		43		73.7		31.2	
1/2 P-P	160.2		105.6		85.3		170.6		79.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	6	39	-1.1	-10.4	-0.5	-32.8	-17.8	-47.6	-16.5	-14.8
2nd	-2.8	9.8	-21.8	10.6	-34.8	16.5	-71.2	21.2	-27.1	7.3
3rd	-16.6	-7.5	-18.8	0.2	-22.1	7.1	-27.6	33.3	-6.8	6.8
4th	-14	-13.8	-13.1	-9.5	-12.1	-5.8	1.6	4.7	6.8	3.4
5th	9.7	2.5	11.5	4.3	11.2	7.4	-9.3	-12.1	-6.1	-1.4
6th	4.5	0.7	4.4	-0.9	3	1	-4.5	-5.2	-5.1	1.3
7th	-4.6	4.3	-2.4	3.2	-0.9	1.5	-3.8	-2.7	-1.9	2.2
8th	-8.9	-33.4	-11.4	-21.1	-3.4	-7	-3.9	-6.5	-1.9	-3.9
9th	-7.4	-11.8	-7.6	-6.4	-1.8	-1.2	-5.9	-1.3	0.6	-0.7
10th	-16.6	8.2	-9	7.9	-0.5	0.6	-4.7	9.4	1.7	-6.8
11th	-55.3	0.2	-27.7	10.9	6	0.5	-12.8	7.8	9.4	-6.3
12th	-10.9	-1.3	-4.8	1.4	2.7	-0.1	-2	-2.9	-0.3	3.2
13th	-1.1	5.6	0	3.4	-0.8	-0.8	-4	-1.5	4.3	4.2
14th	-3.5	9.3	1.4	2.4	0.9	-3.8	-1.7	-2.8	3.1	1.6
15th	-6.7	11.7	0.5	4.3	1.1	-5.5	1.2	-7.1	-3.3	3.5
16th	-3.5	2.6	0	2.6	1.3	-1.8	2.3	-5.6	-5.4	4.8
17th	3.1	-0.4	0.2	-0.8	-1.5	0.8	0.4	-0.1	-0.9	3.2
18th	7	-0.6	1	-1.5	-3.4	2	0.3	2.3	-0.6	-2.3
19th	6.1	-3.8	0.1	-1.4	-2.7	2.9	2	2.2	-4.4	-3.5
20th	10.2	-5	-0.7	-0.5	-3.5	5.5	2.2	-0.1	-7.1	2.9

RUN 39   PT 25

V/OR = 0.151   ALFS,U = 5.00   CLRH/S = 0.099789   CTH/S = 0.100203
VKTS = 60.1   MTIP = 0.606   CXRH/S = -0.009101   CP/S = 0.002228

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-8.1		690.8		376		1391.7		-84	
RMS	373.7		304.5		329.3		280.9		154.4	
1/2 P-P	616		599.4		676.1		612.8		340.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-38.6	506.8	-23.3	369.5	-4.4	352.4	0.8	222.3	52.9	202.4
2nd	90.7	-30.4	112.9	-61.4	183.5	-107.3	178.5	-121.9	31.3	7.9
3rd	-57.3	-67.7	-73.7	-65.3	-64.7	-96.3	-73.3	-107.1	15.2	-25.7
4th	2	-19.1	-10.9	-0.7	-18.3	-0.5	-37.5	-0.8	-22.6	-12
5th	10.7	4.9	92	39	148.6	62	177.6	65.3	-1	7.7
6th	-10.6	3.2	-9.3	31	-9.2	50.2	-9.7	49.1	4.1	13.4
7th	-4.3	15.4	7.6	13	11.4	11.2	4.8	6.4	1.8	2.5
8th	20.5	5.3	29.1	23.7	15.7	15.2	-10.6	-16.1	6.4	-10.3
9th	14.7	12.3	23.9	7.7	13.9	-3	-5.7	-11.6	-0.2	-2.7
10th	29.7	1.8	31.1	-17.6	6.1	-9	-22.9	8.7	1.8	-8.2
11th	35.6	-2.5	70.4	-23.3	2.8	-3.7	-47.6	17.4	-8.1	-8.4
12th	-5.7	8.6	8	12.8	-3.2	10.9	-1.6	-0.1	-5.5	1.4
13th	-13	16.5	-3.7	28.8	2.6	27.3	4	-3.6	3.1	-0.2
14th	-2.8	6.1	4.5	-3.5	6.2	7.1	1.3	-5.9	-15.9	2.5
15th	3.6	3.8	5.9	-0.5	0.2	20.1	-3.3	-4.7	-0.6	-1.4
16th	7.2	-1.3	-2	-9.9	-11.9	0	-6.3	2.6	-2.4	-9.8
17th	2.9	-1.8	-0.5	-2.1	0.4	-2.6	-5.4	5.5	-4.4	6.7
18th	-1.6	-3.2	-7.9	4.7	4.4	-1.9	-4.3	4.2	-4.2	7.2
19th	-11.6	7.2	0.9	4.1	14	-22.7	3.5	-7.1	-1.4	9.1
20th	-16.7	-3.3	8.9	9.7	37.7	-14	13.2	5.4	6.4	2.2

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RUN 39   PT 26

V/OR = 0.124	ALFS,U = 5.00	CLRH/S = 0.099454	CTH/S = 0.099859
VKTS = 49.7	MTIP = 0.606	CXRH/S = -0.008992	CP/S = 0.002969

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	205.3		21.7		15.5		-70.9		7.1	
RMS	85.5		55.5		42.3		76.1		38.5	
1/2 P-P	276.2		131.5		101.4		188.3		148.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-8.6	48.5	-17.1	0.5	-16.5	-18.7	-26.8	-47.6	-13.5	-16.2
2nd	-6.8	9.2	-22.6	7.9	-31.4	13.1	-69.4	1.2	-24.7	1.6
3rd	-11.1	7.1	-10.7	10	-12.3	14.8	-19.9	41.8	1.2	7.8
4th	-12.5	-17	-12.4	-14.2	-11.8	-12.3	5.8	12.3	9.2	0.8
5th	-9.2	-30.6	-12.5	-21	-9.5	-12.9	6.4	6.2	0.6	-2.9
6th	-4.7	-20.3	-7.7	-15.9	-5.1	-8.7	2.2	3	-0.1	-5
7th	-29	3.1	-21.1	7.2	-8.9	4.7	2	-2.9	-5.3	0.9
8th	-25.6	-41.1	-23.6	-24	-6.4	-7.6	-0.9	-6.5	-7.1	-4.6
9th	-5	2.9	-2.5	3.6	-0.5	1.6	0.9	1.6	-0.3	0.8
10th	6.1	24.3	7.1	14.3	-1.5	1.1	4.3	9.8	-1.5	-7.8
11th	2.5	66.8	14.2	35	-0.9	-6.8	7.3	24.6	-4.9	-21
12th	2.7	22.6	5.8	9.7	-0.8	-4.7	2.6	5.8	-3.3	-3.6
13th	12.5	8.4	7.9	1.4	-2.8	-0.1	0.3	-0.2	-0.2	2.7
14th	10.7	-7.6	2.7	-6	-2.1	3.1	-3.8	3.4	4.8	-2
15th	12.6	-31.2	-2.8	-12.9	-1.9	12.1	-0.3	17.7	1.2	-18.3
16th	11	-9	-0.6	-4.1	-3.9	5	-0.9	8	-3	-9.8
17th	-1.4	-8.5	-1	-0.3	2.8	3.8	1.6	0.5	-4.4	2.8
18th	-13	-4.5	-2.2	2.5	6.8	-0.9	2.2	-2.9	5.4	8.2
19th	-16.5	5.4	-0.1	1.7	4.7	-6.2	-1.1	0.3	11.1	-4.8
20th	-22.5	14	2.1	0.1	5.9	-13.4	-3	2.1	6.1	-18.8

D-899

RUN 39 PT 26

V/OR = 0.124 ALFS,U = 5.00 CLRH/S = 0.099454 CTH/S = 0.099859
VKTS = 49.7   MTIP = 0.606   CXRH/S = -0.008992 CP/S = 0.002969

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	18.2		720.1		393.8		1385.5		-101	
RMS	382.8		329.4		360.9		305.1		161.7	
1/2 P-P	673.6		678.3		747.8		728.4		279	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-49	518.3	5.9	373	58	338.3	53.9	215.2	29.3	217.5
2nd	77.7	-19.1	107.1	-55	170.1	-97.7	168.2	-101.5	28.3	13.4
3rd	-80.5	-35.3	-96.4	-36.4	-99.1	-64.1	-97.1	-70.7	14.3	-4.6
4th	10.6	8.4	10.6	34.2	12.7	50.3	-0.9	34.4	-13.5	-21.8
5th	53	31.1	162.9	80.3	244.7	120.6	244.7	100.3	27.1	-16.8
6th	5.5	8.2	4.1	45.3	0	66.6	-23	48.8	6.7	-1.8
7th	13	6.1	25.1	10.3	15.9	18.4	-17.3	32.4	4.2	-2.8
8th	19	0.9	37.2	24.9	17.8	17.1	-9.4	-14.3	-8.1	-8.6
9th	21	7.6	19.6	-6.2	7.1	-9	-3.5	-11.3	-3.9	-3.5
10th	5.5	-0.3	-8.4	-20.9	0.9	-7.8	8.1	10.8	0.4	-4.7
11th	-15.5	-52.4	-45.5	-92.7	-8.5	-10.7	26.9	67.5	-8.3	-0.5
12th	-18.1	11.1	-20.1	2.4	-3.3	17.9	10.3	3.8	-2	5.1
13th	4.4	-5.4	0.5	-16.5	17.9	-7.2	4.4	5.6	-3.6	-0.4
14th	-1.3	3	-1.7	8.8	7.9	-8.6	0.5	-5	1	10.4
15th	4.2	0.4	4.8	7.5	-0.8	-48.5	-5.4	-1.5	5.4	11.4
16th	1	-0.4	-6.3	17.1	0.9	-4.4	-9.8	4.9	17.1	2.1
17th	-0.2	3.5	-0.5	-0.6	-12.1	-16.2	3	7.1	-0.5	-16.3
18th	3.3	-3.7	4.6	-0.5	-18.7	10	12.1	6.2	-1.7	-13
19th	0.5	4.3	2.1	-10	-14.8	9.8	12.4	-18.2	-10	-2.5
20th	7.4	-14.4	2	-10	-5.3	49.6	16.6	-15.8	-10	1.4

D-900

RUN 39 PT 27

V/OR = 0.101 ALFS,U = 5.00 CLRH/S = 0.099539 CTH/S = 0.099940
VKTS = 40.2 MTIP = 0.605 CXRH/S = -0.008945 CP/S = 0.003873

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	206.9		27.1		26.1		-52.2		14.1	
RMS	145.8		104.9		73		102.7		49	
1/2 P-P	420.2		273.1		188.2		225.8		136.1	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-14.8	59	-21.2	8.4	-17.3	-16.4	-36.5	-47	-16.2	-15
2nd	-2.1	8.4	-21	-1.5	-34.6	-6.7	-79.7	-11.1	-26.4	-2.8
3rd	-14.6	13.6	-15.7	11.2	-20.6	13.2	-33.2	43.5	-4.7	8.7
4th	-27.1	-2.9	-27.6	-1.5	-24.3	1	1	3.9	3	1.7
5th	-33.7	-92	-51.6	-72.8	-42.5	-59.3	42.3	57.3	17.1	13.3
6th	13.3	-28.8	4.1	-24.3	1.3	-13	8.7	0.7	12.6	-9
7th	-49.9	7.6	-32.6	11.7	-12.4	8.6	6.9	-11.8	-13.5	0.5
8th	-28.2	-101.5	-33.7	-65.9	-11.8	-22	1	-15.5	-16.2	-8.5
9th	-3.9	-6.2	-1.9	-0.7	0.5	1.9	-3.3	2.5	1.4	7.8
10th	-12.9	42.4	-0.8	29.8	1.2	2.6	-3	21.3	6.3	-13
11th	-87.6	29.5	-40.5	33.6	9.9	-1.4	-24.4	22.2	19.5	-21.9
12th	11.3	24.3	10.6	7	-2.5	-6.4	5.7	0.8	-7.8	-1.2
13th	4.9	26.4	10.3	10.9	-1.4	-5.1	2.7	-1.5	-2.3	5.8
14th	-13.1	-0.7	-2.7	0.4	6.1	-2.2	3.5	-2.3	-0.5	4.1
15th	10	-55.4	-8.6	-18.4	2.3	20.6	7.6	23.2	-3.8	-23
16th	22.4	16.8	8.9	-0.3	-11.3	-4.8	-10.7	-3.6	3.4	0.1
17th	-13.5	1.3	-2.6	2.4	6.4	-3	5	-3.4	-5.7	2.3
18th	-7.9	-10.9	-1.8	-0.1	7.1	2.8	3	2.3	5.6	1.4
19th	17.4	-3.4	0	-1	-7.7	5.9	0.6	1.3	-1.6	4.8
20th	-26.8	32.8	3.8	-1.6	3.5	-23.1	-2.7	3.6	5.9	-21.5

D-901

RUN 39   PT 27

V/OR = 0.101	ALFS,U = 5.00	CLRH/S = 0.099539	CTH/S = 0.099940	
VKTS = 40.2	MTIP = 0.605	CXRH/S = -0.008945	CP/S = 0.003873	

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	57.8		740.4		386.1		1338.6		-126.6	
RMS	416.7		387.6		435.5		366.4		189.7	
1/2 P-P	724.8		825.2		957.1		797.8		351.3	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-56.2	540.9	10.7	390.8	63.4	369.7	63.4	246	7	233.4
2nd	114.9	10.1	139.9	-32.4	216.5	-47.1	231.1	-65.4	47.4	27.9
3rd	-72.2	28.8	-90.8	18.2	-90.2	-12.1	-97.8	-44.2	6.8	19.3
4th	-23.4	25.7	-57.5	79.4	-92.2	100.7	-121.9	100.5	-19.7	2.5
5th	153.1	54.1	266.8	61.4	357.4	94.4	286.8	38.4	88.5	-48.9
6th	-13.4	7.2	-35.7	53.9	-44.7	75.4	-20.8	59.5	22	2.2
7th	17	2.7	34.5	22.3	13.6	41.7	-14.1	50.1	-9.2	5.5
8th	21.7	-2.5	49.2	57.4	29.3	30.4	-4.8	-46.4	-13.5	-17.6
9th	-3.2	6.5	4.9	-3.9	10.2	-22	15	-21.2	10.2	-2.4
10th	-13	-36.2	-22.9	-65.4	-14.6	-23.7	9.3	61.9	8.8	-4
11th	24.8	-32.9	74.1	-72.9	-5.9	-3.9	-61.9	57.8	-0.7	-11
12th	2.7	-36.7	-17.7	-49.7	10.3	-7.3	1.3	25.4	-9.6	14.3
13th	14.7	7.1	17.5	-16.4	29.1	13.4	5.3	-0.6	-10.3	-14.9
14th	3.5	9.1	13.3	2.9	-12.1	5	4.2	-6.3	-17.2	7.8
15th	5.7	1.8	16.5	29.2	-11	-57	-2.6	1.7	26.3	2.5
16th	-5.5	-1.2	-32	-0.3	16.3	7.3	-18.7	0.4	-20.2	5.9
17th	3.2	-3.3	7.3	-5.1	-14.4	13.3	13.7	-2.5	3.8	-3.8
18th	1.2	3.4	11.2	-0.5	-14.9	-10.6	9.8	2.1	1.7	-7.2
19th	-2.1	13.6	-6.8	-2.4	5.6	-41.5	-13.9	-1.3	7	-3.1
20th	9.2	-28.7	-1.4	-4.5	11.5	94.1	4.2	-15.8	-21.7	9.8

D-902

RUN 39   PT 28

V/OR = 0.051   ALFS,U = 5.00   CLRH/S = 0.104151   CTH/S = 0.104631
VKTS = 20.3   MTIP = 0.604   CXRH/S = -0.010045   CP/S = 0.006903

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	251		76.1		79.9		62.9		70.1	
RMS	114.3		85		68.7		143		60.1	
1/2 P-P	301.4		233.9		162.8		267.3		127.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-20.4	76.9	-31.7	18.1	-36.6	-9.8	-78.5	-15.6	-2	-4.7
2nd	17.5	12	1.9	-2	-1.1	-8	-154.5	-43.3	-55	-5.7
3rd	-44.1	18.5	-39	30.4	-40.1	35.9	-39.9	55.8	-47	4.2
4th	-33.7	-20.2	-31.9	-8.5	-30.4	-5.2	17.4	12.9	13.9	-1.4
5th	51.3	-75.6	29.3	-68.3	21.3	-50.8	-22.7	48.7	23.9	11
6th	-2.7	6	-3.9	8.1	-4.8	8.2	4	-3.9	14.9	3.7
7th	-39.3	-54.2	-38	-33.2	-20.5	-13.9	9	-5.5	-19	-6.2
8th	36.9	-5.9	24.2	-8.8	9	-3.7	9.3	1.8	-6.2	-4
9th	-8.8	0.2	-5.2	1.9	0.8	0.5	-4.5	-0.5	-1.6	-1.3
10th	-17.1	-2.4	-10.3	0	0.3	0	-6.8	0.5	7.5	-1.8
11th	5.2	-23.9	-2.3	-13.2	-1.8	2.6	-1.4	-8.3	4.5	6.9
12th	5.2	3.5	3.9	-0.9	-0.8	-2.7	1.1	-1.3	-0.4	2
13th	-3.8	-2.1	-2.1	0.4	1.1	-0.3	0.1	0.5	-1.6	0.2
14th	-7	-5.3	-2.3	0.7	3.4	1.3	2.9	0.7	-4.4	-1.1
15th	1.9	-12.2	-2	-4.9	0.4	4.8	1.4	5.4	-1.4	-5
16th	-3.7	3.1	0.8	1.6	1.4	-1.7	0.3	-2.9	0.4	0.3
17th	-4.8	-2.7	-0.9	0.2	2.6	0.3	2.8	-0.6	-0.3	0.9
18th	-1.9	-3	-0.5	-0.8	1.5	1	0.5	0.5	1	0.9
19th	0.7	3.2	0.3	-0.1	-0.8	-1	-0.2	0	-1.3	0.1
20th	-6	4.8	1.5	-0.2	1.9	4	-1.7	0.8	2.6	-4.6

D-903

RUN 39　　PT 28

V/OR = 0.051　　ALFS,U = 5.00　　CLRH/S = 0.104151　　CTH/S = 0.104631
VKTS = 20.3　　MTIP = 0.604　　CXRH/S = -0.010045　　CP/S = 0.006903

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	98.4		689.7		210.9		1106.3		-237.6	
RMS	390.4		385		484.4		457.5		194.4	
1/2 P-P	793.8		823		1050.3		1094.4		366.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-13.4	503.8	74.5	349.4	186.8	335	250.2	216.1	10.6	229.4
2nd	92.3	25.5	93.4	-10.9	124.3	-12.6	134.6	-20.1	106.2	51
3rd	-72.2	-134	-129.9	-161	-151	-220.5	-170	-203.7	-5.5	-8.8
4th	-38	14.8	-113.5	73.3	-172.1	97.2	-201.6	106.9	-31.6	-45.2
5th	-29.9	106.6	-43.5	294.3	-65.3	429.2	-43.4	394.3	64.9	24.8
6th	14.3	-34.8	-7.8	-24.9	-12.2	-14.6	-21.2	14.1	11.2	-6.5
7th	36.3	11.4	43.9	40.9	16.4	43.4	-54.2	4.9	-5.5	2.3
8th	6.8	4.4	-8.7	10.4	4.2	4.4	32.4	-8.4	1.9	-4.8
9th	-10.3	13	0.6	6.7	2.3	1	7.7	-6	-3.5	8.9
10th	0	23.9	18.5	13.9	3	3.8	-12.5	-11.2	-1.8	4.8
11th	-7.8	1.8	-5.2	22.3	-3.2	-3.9	-1.3	-19.2	6.2	-1.1
12th	-12.5	-20.1	-22.7	-20.6	-6.7	-9.4	14.6	7.5	-6.4	2.7
13th	0.5	9.3	8.9	13.6	1.7	8.8	-3.7	-2.8	5.7	-5.8
14th	-1.8	-1.9	5.4	0.9	-5.1	-1.9	3.2	1.5	-2.8	-10.7
15th	1.5	1.5	3.3	8.6	-3	-11.2	-2.2	-0.4	4.2	9.4
16th	0.9	-1.6	1.1	-7.4	-1.6	0.6	3	-1	-4.4	-6.5
17th	-2	1.7	3.6	-1.7	-5.3	-3.5	3.3	-0.3	-0.4	-3
18th	-0.7	4	1.5	0.9	-4.7	-5.2	2.8	-2	-0.5	0.8
19th	-4.3	-1.4	-0.1	0	8.4	3	0.3	-3	0.5	1.6
20th	-8.9	7.4	2.1	-8	4.7	-10.5	8.3	-22.4	-6.8	-3.5

RUN 39   PT 29

V/OR = 0.040   ALFS,U = 5.00   CLRH/S = 0.100395   CTH/S = 0.100854
VKTS = 16.0   MTIP = 0.606   CXRH/S = -0.009645   CP/S = 0.006933

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	241.1		73		79.8		110.7		84	
RMS	77.2		42.4		33.6		115.4		47.2	
1/2 P-P	181.6		100.6		84.5		192.4		97.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-24	82.7	-28.2	22.5	-28.9	-6.7	-120	-19.4	-1.9	1.1
2nd	11.8	15.7	2.3	3.4	0.7	-1.3	-98.4	-24.1	-54.6	-5.4
3rd	-21.4	4.3	-16.9	9	-15.7	11.3	-18	12.3	-29.3	0.3
4th	-16.3	-20.4	-18.2	-12.7	-17.8	-10.6	15.4	15.9	11.4	3
5th	18.3	-32.4	8.4	-26.8	5.6	-18.8	-7.5	18.1	14.1	3
6th	0.5	-2	-1.6	0.7	-2.5	2.3	2.4	-2.1	3.7	-0.1
7th	-5.8	-13.8	-7.7	-9.5	-4.9	-4.3	3.2	1.1	-5.8	-3
8th	2	-0.9	1.1	-0.3	0.7	0	0.1	-1.1	-3.6	0.8
9th	4.9	-2.2	2.4	-4	0.3	-2.5	2.3	-1.5	-0.1	-1.8
10th	0.6	2.5	0.4	0.6	-0.5	-1	0.2	0.7	2.2	-1.1
11th	-4.2	-28.6	-8.2	-13.5	-1.1	3.6	-5.3	-7.5	2.7	6.1
12th	8.2	1.3	3.7	-1.2	-1.8	-0.2	0.2	-0.8	-1	1.8
13th	-5.4	-0.2	-3.2	1.2	0.7	-0.4	-0.4	0.5	0.3	0.7
14th	-5	-5.2	-2.5	0.6	2	2.1	2.1	2.1	-2.1	-3.2
15th	-1.2	4.8	-0.3	1.5	-0.6	-2.1	-0.7	-2.1	-0.2	0.9
16th	-8.3	4.4	-1	2.5	2.8	-2.9	2.6	-4	-1.4	2.7
17th	-3.7	2.3	-0.2	1.3	1.1	-1.6	0.9	-2	0.1	1.7
18th	2.2	-1.3	0.2	-0.8	-0.8	1.2	-0.7	1.1	0.5	0.2
19th	5.8	0.7	0.5	-0.3	-2.7	1.4	-0.6	0.8	-3.3	1.1
20th	-3.6	2.8	0.6	-0.2	1.1	-1.9	-0.5	0.6	1	-2.4

D-905

RUN 39   PT 29

V/OR = 0.040   ALFS,U = 5.00   CLRH/S = 0.100395   CTH/S = 0.100854
VKTS = 16.0   MTIP = 0.606   CXRH/S = -0.009645   CP/S = 0.006933

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	85.9		678.5		170.8		1071.2		-260.7	
RMS	369.4		283		306.5		277.1		171.8	
1/2 P-P	637.1		594.4		691.6		619.3		315.9	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-62.2	506.9	30	349.9	132.1	323.4	201.2	211.2	4.8	218.3
2nd	50.6	15.4	43.2	-14.1	56.9	-17.3	66.1	-23.3	75.3	44.5
3rd	-50.2	-50.5	-66.5	-60.8	-75.1	-84.6	-77.3	-78.5	-4.6	-5.3
4th	-3.2	-4.6	-37.3	12.3	-57.7	15.4	-77.3	16.4	-2.9	-49.6
5th	3.2	41.3	12.1	137.3	14.8	205.3	23.6	200.5	27.8	8.2
6th	16.6	-17.7	0.1	-13.1	-7.1	-10.6	-15.6	-0.6	6.3	-0.1
7th	14	9.7	12.9	8.4	5.6	2.7	-12	-11.9	-2.4	3.1
8th	3.2	0.8	1.3	1.8	1.6	0.2	4.2	-1	-0.9	-5.8
9th	-6.2	14	-7.2	13	-4.5	5.2	1.5	-8.6	-1.3	4.9
10th	1.6	16.3	3	9.2	1.2	3	-1.8	-7.6	-0.4	1.3
11th	11	16.5	24	33	6.4	-0.1	-16.3	-25.5	4.5	-5.1
12th	-22.6	-13.9	-35.6	-8.6	-13	-6.6	16.6	3.4	-1.2	1.4
13th	-9.5	7.3	-9.1	17.1	-13	14.2	-0.3	-2.5	2.7	1.5
14th	0.7	-1	4.7	2.3	-5.2	-1.4	-1.4	4.2	1.1	-7.2
15th	0.2	1	-6.8	-2.8	-6.6	4.2	-1.9	-2	-0.6	6
16th	0.9	-0.5	9.3	-7.1	1.7	5.4	5.3	-1.7	0.8	-2
17th	-1.3	1.5	0.8	-4.1	-2.1	1.1	2.3	-2.7	-0.4	-3.4
18th	-0.9	0	-1.5	3	1.4	-0.7	-1.3	2.5	-0.1	1.7
19th	-4.2	-2.9	-1.8	1.6	12.3	-2.8	-2	3.2	0.2	0.7
20th	-2.9	4.7	1	-5.4	-0.7	-4.5	2	-12.6	-0.8	-2.6

RUN 39   PT 30

V/OR = 0.030   ALFS,U = 5.00   CLRH/S = 0.099754   CTH/S = 0.100210
VKTS = 11.9   MTIP = 0.607   CXRH/S = -0.009588   CP/S = 0.007453

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	241.3		71.9		77.4		104.8		90.5	
RMS	68.3		34.6		24.7		104.4		38.2	
1/2 P-P	144.1		80.2		49.4		172.7		78.2	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-21.1	80.6	-24.4	22.7	-22.6	-5.2	-135.3	-24.7	-18.9	-5.6
2nd	3.5	8.7	0.2	2.2	0.9	-0.5	-38.5	-20.6	-44.1	-5
3rd	-17.2	-1.3	-15	7.4	-14.2	11.4	-12	21.8	-13.4	-0.2
4th	-3.3	-9.9	-4.7	-6.9	-3.6	-5.7	1.2	7.9	12.7	0.5
5th	16.4	-26.3	6.6	-20.3	3.8	-12.5	-2.9	11.9	7.9	4.8
6th	-5.2	-3.8	-6.8	-1.8	-5.9	0	5.4	-0.1	-0.9	0.6
7th	-14.2	-8.3	-12.7	-4	-7.4	-1.3	2.7	-1.1	-7.3	-1.8
8th	2.4	-0.1	1.9	0.2	0.7	0.6	0.8	0	-0.5	-1
9th	-10.1	-1	-4.6	1.3	0.9	1.4	-4.1	0.5	3.2	0.1
10th	-4.9	-4.2	-2.7	-1.4	0.2	0.3	-1.8	-1	0.8	1.4
11th	8.6	19.2	8.2	9.3	-1.3	-1.6	5.3	5.6	-3.2	-3.8
12th	-4.6	1.4	-1.2	1.7	0.9	-0.1	0.5	0.7	0	-1.2
13th	4.1	-0.1	0.4	0	-2	0.6	-1.2	0.8	0.8	-0.9
14th	5.5	2	1.5	-0.4	-2.6	-0.3	-2.1	-0.1	1.7	0.8
15th	-0.9	-0.9	-1	0	-0.3	0.4	0.4	0.2	-0.8	-0.2
16th	2.9	-3.8	-0.2	-1.4	-0.8	1.8	-0.2	2.5	0.5	-1.8
17th	-0.4	0.3	0.3	-0.3	0.4	-0.3	0	0	0.4	-1
18th	-1.9	-0.1	-0.2	0.3	1.3	-0.4	0.5	-0.5	0.3	0.2
19th	0.4	-1.2	0	-0.2	0.4	0.7	0.1	0.1	-0.2	1.1
20th	-3.6	2.7	0.1	-0.2	1.1	-1.8	-0.5	0.6	1.5	-2.6

D-907

RUN 39   PT 30

V/OR = 0.030 ALFS,U = 5.00 CLRH/S = 0.099754 CTH/S = 0.100210
VKTS = 11.9 MTIP = 0.607 CXRH/S = -0.009588 CP/S = 0.007453

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	91.8		695.9		194.8		1103.1		-267.8	
RMS	345.7		275		306.6		281.8		149.8	
1/2 P-P	662.3		679.5		720		561.8		273.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-38.6	476.4	44.7	326.8	132	298	189.8	196.7	24.4	202.5
2nd	-2.2	6.1	1.1	-7.2	9	-7.3	18.1	-8.4	34.3	23.2
3rd	-4.6	-77.7	-23.3	-83.2	-28.8	-103.5	-36.4	-89.4	-2.4	-19.1
4th	1.3	5.8	-6.3	18.9	-11.2	24.6	-17.3	23.5	6.2	-18.1
5th	4.5	49.3	-1.1	173.6	-12.3	259.9	-11.6	266.1	22	11.7
6th	13.9	-2.6	7.9	-2.6	5.9	-0.3	-6.7	0.2	3.5	3.6
7th	5.7	5.9	10.9	7.5	6.2	5.6	-13.2	0.7	-2.3	-2.3
8th	-0.8	2.7	-1.5	3.6	0.1	1.4	4.1	0.9	1.2	-4.1
9th	-25.6	6.3	-6	4.9	0.6	-1.7	11.8	-6	-3.3	-0.7
10th	-6.3	0.2	1.2	2.7	-0.7	-0.3	0.5	-2.5	-0.3	-3.2
11th	-3.5	-37.6	-22.5	-45	-2.7	-12.2	14.1	29.3	1.6	0.3
12th	8.8	-1.7	11.7	-7.6	2.7	-2.6	-6.1	3.4	0.8	2
13th	-6.9	8.6	-10	20.4	-3.4	13.1	1.1	-4.2	1.9	3.3
14th	-0.8	0.4	-4.4	3.1	4.6	2.3	0.7	-1.4	1.4	4.7
15th	0	0.5	-4.9	-0.2	-8.1	-1.5	-1.4	0.4	-0.4	-4.3
16th	0.3	0.7	1.2	8.4	2	1.5	-1.6	2.8	3.2	1.3
17th	-1.2	2.5	1.3	-2.1	1.2	-4	1.1	-2.5	-0.2	-0.9
18th	-0.9	0	2.1	0.2	-0.1	1.8	2.7	-0.5	1	0.3
19th	-3.2	-0.3	1.9	-0.1	4	-4.1	4.1	-0.3	0.9	1.3
20th	0.4	3	-0.6	-3.8	-5	0.4	-0.8	-7.8	-3.5	1.9

RUN 39 PT 31

V/OR = 0.020 ALFS,U = 5.00 CLRH/S = 0.099715 CTH/S = 0.100145
VKTS = 8.0 MTIP = 0.606 CXRH/S = -0.009292 CP/S = 0.008282

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	245.3		73		76.3		72.4		96.1	
RMS	66.9		37.6		26.8		75.1		34.2	
1/2 P-P	149.4		110.4		80.2		157.1		92.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-24.3	73.7	-21.5	20.9	-15.2	-4.1	-94.3	-23.5	-38.1	-2.9
2nd	2.9	9	3.6	3.1	6.1	1.2	2.5	-8.5	-19.4	-4.7
3rd	-4.1	-5.2	-8.5	3.8	-10	8.2	-8.4	20.3	10.1	3.3
4th	3	-0.3	3.6	0.5	5.1	1.7	-3.2	-2.5	-1.4	1.6
5th	-17.6	14.5	-15	19.4	-12.8	18.3	16.6	-18.5	-4.5	-5.2
6th	5.1	-5.8	2.7	-4.8	2.2	-2.9	-0.5	2.5	-1.7	-1.8
7th	-7.4	-11.1	-6.8	-6.6	-3.5	-2.4	1.6	-0.2	-4.4	-3.2
8th	19.7	-3.5	13.3	-5.6	4.7	-1.9	4	-0.1	2.3	-2.6
9th	0.4	3.1	1.5	2.7	0.8	1.5	0.3	1.4	-0.3	0.2
10th	5.6	3.5	4.4	1.3	0	0.2	3	1	-1.6	-1.9
11th	-8.6	10.1	-2.3	7.4	0.9	-0.8	-1	4.6	0.6	-4.1
12th	0.3	-3.1	-0.3	-1	0.2	1.1	-0.1	-0.2	-0.5	0.1
13th	-0.8	-1.5	-1.6	-0.2	-0.8	0.9	-0.9	0.3	1.2	-0.5
14th	-0.6	0.8	-0.9	0.1	-0.9	-0.3	-0.3	-0.5	0.1	1
15th	-1.7	2.2	0.1	1	-0.1	-1	0.4	-1.5	-1	2.2
16th	1.1	-3.1	-0.4	-0.8	-0.3	1.2	0.4	1.7	-0.5	-0.8
17th	2.2	-0.7	0.6	-0.5	-0.7	0.4	-0.8	0.9	-0.6	0.2
18th	2	1.1	0.3	0	-0.8	0.2	-0.8	0.1	-1.5	0
19th	0.2	5	0.3	0.2	-1.2	-1.8	-0.8	-0.5	-1.4	-2.8
20th	-3.8	-0.2	0.7	0.5	1.5	-1.2	-1	-0.5	2.3	-1

RUN 39   PT 31

V/OR = 0.020	ALFS,U = 5.00	CLRH/S = 0.099715	CTH/S = 0.100145
VKTS = 8.0	MTIP = 0.606	CXRH/S =-0.009292	CP/S = 0.008282

	Chord Bending, ft-lb MREB1A, r/R=0.127	Chord Bending, ft-lb MREB2, r/R=0.200	Chord Bending, ft-lb MREB3, r/R=0.300	Chord Bending, ft-lb MREB4A, r/R=0.454	Pitch Link Load, lb MRPR3
MEAN	142.2	754.1	271	1181.5	-261
RMS	316.3	226.6	223.1	189.5	130.2
1/2 P-P	584.1	540.6	556.7	457.1	244.3

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-81.1	423.6	-3	292	63.3	264.8	108.1	175.3	14.1	178
2nd	-25.5	11.1	-22.7	6.1	-29.1	6.5	-23.8	3.1	7.9	11.6
3rd	46.4	-71.1	26.8	-74.5	23.8	-89.3	10.3	-76.5	9.2	-21.3
4th	-5	9.5	12.2	21.7	21.8	27	27.9	26.9	6.6	3.1
5th	-1.2	-25	-37.2	12.9	-61.4	31.7	-79.6	65.8	-16.5	-9.5
6th	1.8	2.1	-14.8	7	-26.7	7.4	-29.2	0.6	2.2	6.4
7th	-0.4	-6.2	3.4	5.5	0	9.8	-8.2	5.3	-4.5	1.5
8th	-3.1	2.5	-16	7.7	-12.6	5.1	5.4	-1.2	2.9	0.7
9th	-12.6	-12.2	-10.1	-7.9	-3.3	-2.2	9.4	9.4	-3.9	-3.2
10th	-7.9	-3.2	-11.3	-2.7	-3.1	-1.4	7.5	2.4	-0.8	-3.9
11th	8.3	-9.8	7.3	-19.9	-0.8	-3.2	-6.9	14.1	1	-2.9
12th	8	2.5	11.3	1.9	6.6	-1.9	-4.6	-0.7	0.9	1.1
13th	-9.3	4.6	-12.2	12.9	-10.5	7.7	1.1	-2.2	0	2.3
14th	0.1	1.1	-2.7	0.8	-3.6	1.8	-1.3	-0.2	1.4	1.6
15th	-1.2	-0.2	-2.3	-3.1	-2.8	1.3	1.1	0.7	-0.9	-2.4
16th	-0.8	-0.5	-2.4	7.9	-3.7	3.8	-1.1	3.9	2	2.5
17th	-1.6	-0.8	0.2	1.2	3.5	-1.5	0.4	1.6	-0.9	1.8
18th	0.1	-2.5	-0.7	0.5	4.4	2.6	-2.1	1.8	1.1	0.9
19th	-0.6	-3.7	0.5	-1.6	8.9	7.6	-0.5	-1	-0.1	0.2
20th	5.2	-11	3.5	1.9	1.7	21	5.9	11.1	-0.4	-1.5

RUN 39   PT 32

V/OR = 0.010   ALFS,U = 5.00   CLRH/S = 0.103797   CTH/S = 0.104272
VKTS = 3.8   MTIP = 0.601   CXRH/S = -0.009983   CP/S = 0.009486

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	263.8		91.4		91.9		85.6		113.4	
RMS	71.8		55.4		43		70.6		30.5	
1/2 P-P	196.1		148.9		114.4		172.8		88.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-43.3	12	-24	-2.1	-12.6	-9.3	-55.2	-33.7	-12.4	-21.2
2nd	6.5	6.2	13.9	5.6	17	10.3	36.8	13.6	6.6	-3.2
3rd	3.7	-10.8	-8.6	-17.5	-12.6	-23.5	-27.3	-27.8	4.5	10.6
4th	8.3	22.1	12.6	20.2	12.6	21	-8.3	-21	-8.8	-9.8
5th	-1.1	5.2	1.9	10.6	4.4	12.7	5.2	-8	-6.6	-1.1
6th	-12.4	-8.3	-12.9	-4	-8.8	-2	9.5	0.3	-4.7	-1.5
7th	4.4	-8.7	1.5	-7.7	0.1	-2.7	2.6	1.8	-2.6	-6.1
8th	27.8	14.6	22.2	6.1	7.7	2.7	4.6	3.9	5.3	-2
9th	-8.5	12.6	-3.3	10.8	-0.4	4.1	-1.8	5.3	1.7	-2.6
10th	-6.3	3	-3.8	3	-1.2	1	-1.4	1.8	1.5	-1.8
11th	-11.4	-9.1	-7.7	-2.3	0.8	1.3	-5.1	0	4.2	-0.1
12th	3.5	-4.7	0.6	-3.1	-0.9	1.6	0.6	-0.6	1	0.7
13th	2.2	0.4	0.7	-0.5	-1.2	0.4	-0.9	0.2	0.9	1.2
14th	0.5	1.7	0.5	-0.1	-0.7	-0.7	-0.6	-0.9	0.6	1.7
15th	-5.3	-1.9	-1.3	0.4	1.8	0.5	2.5	-0.5	-1.8	1
16th	-0.3	2.9	0.5	0.4	-0.6	-1.1	-0.5	-1.7	0.3	2.1
17th	-1.2	-0.8	-0.2	0	1	-0.2	0.5	-0.4	0.2	0.6
18th	-0.5	-0.6	0.1	-0.1	0.5	0.1	0.1	0	0.1	-0.7
19th	0.2	-3	-0.5	-0.2	0.7	1.7	0.3	0.1	0.7	1.1
20th	0.6	0.5	-0.1	-0.1	-0.3	-0.2	0.3	0	-0.2	-0.6

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RUN 39   PT 32

V/OR = 0.010   ALFS,U = 5.00   CLRH/S = 0.103797   CTH/S = 0.104272
VKTS = 3.8   MTIP = 0.601   CXRH/S = -0.009983   CP/S = 0.009486

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	140.7		732.9		231.2		1140.9		-281.2	
RMS	244.3		231.8		253.3		237		70.3	
1/2 P-P	553.2		669.2		771.6		669.4		220.5	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-118.9	231.1	-44.8	183.9	-0.1	178	41	133.1	1.3	73.3
2nd	-54.3	-3.2	-73.4	12.1	-100.2	5.4	-96.2	0.5	-17.2	0
3rd	121	77.7	137.5	36.2	161.7	30.9	140.9	9.9	21.1	4.5
4th	-33.6	-12.9	-39.9	0	-49.5	0.6	-33.2	18.3	-17.6	25.6
5th	-38.4	-27.7	-47.9	28.3	-56.4	58.6	-40.3	91.5	-10.6	-1.2
6th	17.1	-6.9	8.1	-3.7	1.6	-1.5	-19.9	-3.9	5	-5.5
7th	4.8	10.1	-5.9	3.8	-13.2	-7	-16.1	-22.3	0.2	1.5
8th	-9.3	-6.5	-28.4	-10.8	-17.1	-8.8	12.5	1.7	6.1	-0.4
9th	-2.2	-15.6	2.2	-23.4	3	-13.6	5	9.9	-0.9	-1.2
10th	13	-5.2	12.8	-11.5	3.9	-7.2	-9.8	3.2	3.8	-0.5
11th	23.3	12.1	36.8	7.1	11.6	-2.1	-21.1	-8.8	2	-3.5
12th	-1.5	3.5	-0.1	6.8	2.2	-3.3	1	-5.7	3	2.2
13th	-6.3	5.1	-6.2	10.7	-1.3	6.8	1.9	-4.5	0.2	4.1
14th	-2.6	0.8	-2.3	-0.6	0.9	0.7	1.3	-2.2	-2.3	4
15th	-1.6	0.3	6.9	1.5	-0.7	1.6	3.7	0.6	-0.7	-1
16th	-2	0.9	-2.2	-3.8	0.4	-1.4	0.6	-3.3	-2.6	0
17th	-0.6	1.3	0.1	1.5	-2.8	0	0.8	-0.7	-1.9	-0.4
18th	-1.6	0.1	0.9	1.8	0.9	0.5	1.2	0.1	-0.6	3.1
19th	1.1	3	0.4	2	-5.5	-3.9	-1.4	1.5	0.8	2.1
20th	5.5	4.5	-2.5	0	-10.5	-0.2	-9.6	-1.2	-0.4	2.4

D-912

RUN 41   PT 19

V/OR = 0.251   ALFS,U = 10.00   CLRH/S = 0.098964   CTH/S = 0.100608
VKTS = 99.8   MTIP = 0.606   CXRH/S = -0.018127   CP/S = -0.001321

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	185.9		-4.5		-17.3		-127.2		-8.2	
RMS	65.7		77.4		96.7		96.6		27.7	
1/2 P-P	209.2		157.4		165.6		180.1		56	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	25	-5.8	37	-68.4	52.6	-107.1	49.1	-97.8	-13.2	-22.2
2nd	-3	26.1	-12.8	35.4	-23.3	45	-53.6	53.8	-12.7	19.8
3rd	18.2	-49	8.1	-43.9	4	-34	18.7	4.6	3.6	3.1
4th	20.8	-12.7	15.4	-18	7	-15.5	-3.3	-4.2	2.7	-0.4
5th	22.3	2.3	16.5	-1	9.2	0.8	-11.5	-8.4	0.8	-4.3
6th	13.2	-2.5	10.7	-3.7	4.1	0.7	-1.8	-4.8	1.4	-2.5
7th	24	-5.5	16.5	-7.7	6.4	-2.3	-0.9	-2.3	2.8	-3.3
8th	6.2	39.1	10	27.3	1.3	11.4	-0.6	4.1	1.6	7
9th	-1.4	15	3.4	8.9	1.7	2.5	-2.5	3.4	2	-0.5
10th	3	10.4	4.3	4.3	-0.3	-1	0.1	3.5	0.2	-2.7
11th	-14.2	14.9	-4.3	10.1	1.3	-2.2	-3.9	6.2	3.1	-4.5
12th	-2.7	-7.1	-2.3	-3.8	0.5	0.1	-3	-1.1	2.1	1.6
13th	1.3	-9	-0.2	-4.8	0.4	1.8	-1.5	0.1	1	-0.3
14th	3.1	-8	-1.4	-3.5	-1.1	2.9	-2.2	2.6	1.9	-1.7
15th	9.4	-11.3	0.3	-4.6	-2.9	5.2	-3	6.6	3.5	-5
16th	10.7	-0.4	2.5	-2.2	-4.3	0.7	-5.2	2.7	4.3	-1.3
17th	5.9	2.3	1.2	0.5	-2.7	-0.6	-2.7	0.3	1.5	0.3
18th	5.5	1.2	1	-0.5	-2.5	0.2	-1.4	1.3	0.3	-0.7
19th	8.6	1.4	0	-0.4	-4.7	1.2	0.1	1.3	-3.6	0.4
20th	3	5.3	0.7	-0.2	-3.1	-1.9	0.8	1.2	-1.3	-3.3

D-913

RUN 41   PT 19

V/OR = 0.251   ALFS,U = 10.00   CLRH/S = 0.098964   CTH/S = 0.100608
VKTS = 99.8   MTIP = 0.606   CXRH/S = -0.018127   CP/S = -0.001321

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-176.9		554.8		293.8		10244		-58.9	
RMS	454.5		472.7		596.2		489.4		173.4	
1/2 P-P	686.1		833.6		1032.1		854.4		317.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-307.4	539.3	-357.9	494.6	-452.1	605.7	-415.2	438.5	98	201.6
2nd	88.3	-42.5	133.1	-113.3	205.9	-198.3	194.1	-184.3	22	-2.1
3rd	-112.5	18.3	-147.1	83	-156.9	93.3	-130	34.7	30.7	-78.4
4th	42.6	6	71.2	-5.7	102.7	-4.9	98.6	-42.1	-8.3	21.6
5th	-4	39.2	8.7	66.7	34.9	89.6	45.9	77.7	23.3	18
6th	-9.6	9.8	-17.4	31.5	-12.3	36.8	-8.6	24.7	11.2	12.1
7th	-18.5	20.9	-13.2	14.9	8.6	-2.4	31.1	-31	6.9	-1.3
8th	1.5	1.4	-5.9	-23.5	6	-18.3	4.8	17.1	4	8.4
9th	-16.4	-3.1	-12	-11.2	-2.8	-6.6	4.6	6.4	-4.4	-1.3
10th	-21.5	3.6	-19.2	-0.7	-1.4	2.7	17.8	7.5	0.8	1.4
11th	14.2	-0.4	18.3	-20.2	3.9	-1.8	-14.5	10.5	-6.3	-2.5
12th	-17.7	-19.6	-24.2	-10.2	-17.5	-10.3	6.6	2.9	0.4	4.3
13th	-3.4	-10.1	-11.2	-8.1	-10.1	-14.4	2	0.9	-6.7	-2.4
14th	2.1	-2	0.2	5.1	0	-4.7	-1.8	0.6	7.1	12.9
15th	-0.4	-2.8	0	3.2	8	-16.9	-0.3	3.5	11.8	-3.8
16th	-3	-0.6	-4.8	6.5	14.1	0.5	-0.8	0.2	-6.9	5.9
17th	-1	-4.4	-4.3	1	8.9	3.3	-1.1	1.3	2.1	-3.9
18th	-3.3	0.2	-1.6	0.8	11.1	-3	0.2	-2.1	-5.2	1.6
19th	3.4	4.5	-8.3	1.2	0	-5.7	-14.5	-1.2	1.3	3.8
20th	-1.2	-2.2	-4.3	1.6	8.2	8.1	-6.2	-4	-2.7	1.1

D-914

RUN 41　　PT 20

V/OR = 0.229　　ALFS,U = 10.00　　CLRH/S = 0.098966　　CTH/S = 0.100617
VKTS = 91.3　　MTIP = 0.606　　CXRH/S = -0.018161　　CP/S = -0.000957

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	191.4		1.2		-11.2		-127		-8.1	
RMS	60.1		69		85.1		86.6		26.3	
1/2 P-P	160.3		139.3		143.7		163.1		61.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	19.5	-0.5	29.1	-58.9	42.3	-93	36.4	-81.8	-13.3	-19
2nd	-4.9	20	-16.9	27.6	-29.7	37.9	-61.7	50.8	-15.3	18.1
3rd	13.2	-47.7	2.3	-42.2	-3	-32.3	8.1	10.5	0.5	3.7
4th	15.1	-15.6	10	-18.7	2.7	-14.9	0.9	-3	3.5	0.5
5th	19.9	-0.7	15.4	-3.9	10.4	-0.6	-11	-9.1	-0.3	-3.1
6th	14.5	-1.6	11.6	-3.9	6	-0.5	-3.7	-4.1	-1	-0.8
7th	28.2	-0.2	20.9	-4.6	10.5	-0.6	-2	-2.3	3.1	-0.7
8th	-5.2	35.6	0.9	26.4	-0.1	10.2	-2.2	3.5	-0.2	7.6
9th	-5.5	8.9	-0.9	6.8	1	2	-2.5	0.6	2	0.9
10th	-6.9	3.9	-2.8	2.2	-0.3	-1.8	-3	0.3	1.9	-0.4
11th	-19.9	-8.7	-12.5	-0.9	0.7	0.1	-8	-1.6	5.2	2.3
12th	6	-11.5	0.9	-7.3	-1.1	1.4	-1	-4.4	-0.1	4.5
13th	3.7	-8.9	0.7	-4.5	-0.1	2.6	-0.5	-1.9	0.2	2
14th	1.5	-4.3	-0.7	-2.1	-0.6	1.2	-1.6	-0.6	1.8	1.6
15th	6.6	-1.6	1.4	-1.3	-2.5	1.5	-3.3	0.9	4.6	0.5
16th	1.9	0.6	0.3	-0.2	-0.7	-0.4	-2.1	-0.1	3.7	0.6
17th	0.2	0.7	-0.3	-0.3	-0.3	-1.1	-1.2	0.3	2.3	-0.7
18th	-0.5	0	0.2	-0.1	0.4	-1.2	-1	0.6	3.1	-1.3
19th	-3.3	-0.6	-0.3	0.6	1.9	-1.5	-0.4	0.4	3.6	-1.8
20th	-2.2	-9	-0.2	0.5	4.1	3.4	-0.8	0.4	5.4	2.4

RUN 41   PT 20

V/OR = 0.229   ALFS,U = 10.00   CLRH/S = 0.098966   CTH/S = 0.100617
VKTS = 91.3   MTIP = 0.606   CXRH/S = -0.018161   CP/S = -0.000957

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-159.3		568.7		305.7		10243.1		-54.8	
RMS	434.2		430.3		522.2		422.5		164.5	
1/2 P-P	659.5		755		917.4		823.4		316.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-285.4	521.6	-323.2	455.7	-394.2	531	-354.1	373.4	79.3	195.1
2nd	94.8	-38.7	135.7	-92.2	208.4	-163.9	189.3	-158.7	23.1	-0.3
3rd	-88	8.3	-117.3	56.8	-115.8	58.9	-99.3	13.6	35.8	-76.1
4th	27.4	8	37	6	51.9	1.5	52.7	-30	-10	13.4
5th	0.3	49.5	35.8	73.5	66.4	95.6	81.9	76.4	14.9	24
6th	-9.3	11.5	-10	35.9	-1.4	46.8	4.2	34.2	11.6	20.4
7th	-20.2	15.3	-15.2	9.8	4.3	-6.3	32.4	-26.3	6.5	-1.4
8th	3.9	-5.4	4.1	-27.2	9.8	-15.2	1.2	22.1	2	10.1
9th	-13.5	-3.9	-5.4	-8.8	1.7	-5.2	2.5	2.3	-1	-4.2
10th	-13	4.6	-4.7	0.4	-0.1	3.9	3.7	4.1	0.1	5.1
11th	8.7	21	29.8	18.5	4.5	7.5	-17.8	-13.1	2.5	-7.1
12th	-22	-13.4	-31.7	2.7	-15.6	-6.2	10.8	-4.3	-2.3	6.5
13th	-8.9	-12.3	-22.8	-6.4	-14.7	-13.1	6.3	0.3	-1.4	-6
14th	-1.8	-1.5	-3.7	3	-2.3	-1	0.9	-0.8	-4.4	11.6
15th	-2.4	-1	-5.2	-0.2	6	-5.5	0.7	0.7	6.7	0.6
16th	-0.4	0.6	2.7	1.3	6.7	1.5	1.8	-0.4	-1.6	3.8
17th	0	-3	0.4	3	1.6	6.4	1.2	-0.1	-0.5	5.3
18th	-0.4	1.6	-0.3	-0.5	-0.7	-1.7	2.3	-2.7	-1	0
19th	6.8	-0.1	-1.2	2.3	-12.9	10.4	-0.2	1.3	-2.9	-1.9
20th	5.1	3.3	1.8	4.4	-18.8	-2	2.7	8.5	0.8	-3.6

D-916

RUN 41   PT 21

V/OR = 0.200   ALFS,U = 10.00   CLRH/S = 0.098246   CTH/S = 0.099893
VKTS = 80.0   MTIP = 0.607   CXRH/S = -0.018079   CP/S = -0.000416

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	196.5		6.6		-6.7		-121.2		-5.3	
RMS	49.7		55.1		69.3		76		22.8	
1/2 P-P	141.8		109.9		120.1		142.7		50.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	10.3	5.7	18.1	-45.9	28.4	-74.7	22.4	-64.7	-9.6	-17.2
2nd	-8	13.1	-21.4	18.7	-35.2	28.4	-67.1	43.1	-16	12.8
3rd	8.9	-40.1	-1.5	-34.6	-7.8	-25.3	0.2	14.7	0	0.9
4th	5.6	-14.6	0.9	-15.3	-5.4	-12.2	8.4	-1.7	6	-1.8
5th	5.6	-7.1	2.4	-6.5	0.2	-1	1.2	-8.8	1	-3.7
6th	9.7	-7.8	6.9	-8.7	4.4	-4.1	-1.5	-1.6	-3.2	-1
7th	27	-5.1	19.5	-7.5	9.5	-2.8	-0.8	-0.9	3.3	-2.3
8th	-1.2	32	3.7	22.7	0.9	8.6	-0.5	3.4	0.8	5.3
9th	-1.6	6.4	0.8	4.7	1.1	1.5	0.3	0.5	0.1	1
10th	-3.4	4.5	-0.9	2.2	0.5	-1.5	0.3	0.1	-1.1	0.9
11th	-21.5	3.8	-11	5.6	1.3	-1.5	-6.1	2.1	4.3	-0.2
12th	-2.2	-4.7	-1.3	-2.3	0.5	-0.1	-0.3	-2.5	0.2	1.9
13th	-0.7	1.7	-0.7	0.8	-0.5	-0.4	-0.2	-1.7	0	1
14th	-3.7	4.8	-0.1	1.9	1	-2	0.8	-3.2	-1.4	3.3
15th	-6.3	10.8	0.3	4.3	0.6	-4.5	0.6	-6.2	-1	6.1
16th	-6.4	-2.6	-2.5	0.2	2.7	0.2	2.8	-0.6	-2.6	0.8
17th	-2	-2.8	-0.9	-0.8	1.2	0.8	1	0.7	-1.3	-0.3
18th	-1.6	-2.2	-0.8	-0.3	1.2	1	1	0.7	-0.8	0.7
19th	-1.7	-2.4	-0.6	0.1	2	0.7	0.5	-0.3	-0.3	1.9
20th	0.9	-1.9	-0.3	0.2	-0.2	1.2	0.1	-0.1	-1.3	3.4

D-917

RUN 41 PT 21

V/OR = 0.200
VKTS = 80.0

ALFS,U = 10.00
MTIP = 0.607

CLRH/S = 0.098246
CXRH/S = -0.018079

CTH/S = 0.099893
CP/S = -0.000416

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-133.2		593.1		323.8		10296.4		-54.7	
RMS	409.3		372.8		426.9		337.7		150.2	
1/2 P-P	611.3		645.6		758.5		684		278.7	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-267.2	497.7	-279.3	403.6	-317.1	436.2	-272.4	293.2	58	185
2nd	91.8	-34.4	125.1	-68.6	195.2	-128.4	178.3	-135.7	20.6	0.1
3rd	-50.4	-8.6	-70.7	23.4	-59.2	19.1	-56.3	-11.9	40.3	-64.1
4th	25.9	4.4	22.4	2	33	-10.6	29.2	-29	-10.1	0.9
5th	15.4	44.4	44.9	67.4	64.2	79.7	67.2	60.6	7.7	12.2
6th	-5.9	12.5	-1.3	33.3	2.7	44.4	8.6	28.3	3	18.1
7th	-16.9	13.5	-15.9	10.1	0.3	-4.2	29.2	-27	4.3	-3.4
8th	3.2	-6.6	0.4	-23.6	4.8	-9.1	6	23.4	2.6	9.4
9th	-10	-5.2	-4.4	-7.1	2.1	-1.5	9.5	3.9	-0.7	-2.1
10th	0.9	6.1	3.6	-1.6	0.7	2.9	-1.4	-0.7	2.2	8.6
11th	13.9	7.9	28	-6.1	3.3	3	-20.2	-1.4	3.5	-5.3
12th	-3.5	-8.9	-5.3	-4.9	-6.2	-4.3	-1.3	-1.6	-4.8	3.9
13th	-4.9	-10.3	-14.5	-14.3	-9.6	-6.8	1.9	3.2	9.6	-7.1
14th	-0.7	-1.4	-1.3	-1.6	-2.4	8.4	0.8	-1.9	-17	0.6
15th	-0.5	-2.2	1.5	-12.9	1.1	7.3	1.1	-2.8	-3.1	0.7
16th	2.5	0.3	8.5	3	-4.7	4.3	0.8	0.9	1.4	3
17th	3.1	-3.7	2.3	5	-5.1	4.9	0.2	3	-1.4	0.3
18th	2.2	0.9	0.8	1.5	-6.5	-1.5	-0.3	1.5	5.8	4
19th	10.2	2.6	-2.7	2.2	-19.1	3.1	-6.2	5	3.3	-5
20th	3.7	0.3	0.3	2.2	-6.1	0.9	-3.9	6.5	2.1	-0.3

D-918

RUN 41   PT 22

V/OR = 0.178   ALFS,U = 10.00   CLRH/S = 0.098383   CTH/S = 0.100064
VKTS = 70.9   MTIP = 0.605   CXRH/S = -0.018289   CP/S = 0.000043

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	199.3		10.1		-3		-113.4		-4.8	
RMS	42		44.5		58.4		67.7		21.6	
1/2 P-P	114.3		92.6		99.3		125.9		51.3	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-0.7	15.3	6.4	-34.4	16.2	-60.4	11.7	-53.4	-10.4	-14
2nd	-9.1	8.6	-24.4	13.5	-38	22.1	-67.8	34.9	-18.9	10.8
3rd	5.4	-34.5	-4.9	-29.1	-10.5	-20.3	-6.2	10.9	-1.1	0.8
4th	-0.2	-16.7	-4.2	-15.8	-8.3	-13.2	8.2	0.3	5.9	-0.1
5th	6.1	-8.8	1.6	-8.2	-1.8	-3.6	2.6	-4.3	-0.9	0.1
6th	10.4	-6.1	9	-7.3	6.6	-2.9	-2.8	-0.8	-3.5	1.7
7th	19.2	1.9	15.2	-1	8.2	-0.4	-1.9	-0.7	3.5	-0.2
8th	-9.9	10.2	-5.5	8.5	-2.3	3.2	-2	0.8	-0.9	1.4
9th	-4.8	-3.2	-2.9	-0.6	-0.7	0.7	-1.4	-1.4	-0.5	1.1
10th	-7.9	1.1	-5	0.8	-0.9	-1.9	-2.5	0	0.5	0.8
11th	-24.2	-8.3	-14.2	0	2.3	-0.4	-8.2	0.1	6	0.1
12th	-2.8	-4.9	-1.8	-1.4	0.8	0.6	-0.4	-0.6	0.2	-0.3
13th	-0.5	2.9	0.1	0.8	-0.5	-1.3	0	-0.8	-0.1	0.9
14th	-0.3	2.5	0.9	0.6	-0.1	-1.4	0.1	-0.9	0.1	1.4
15th	-1.6	7.1	0.6	1.6	-0.7	-3.2	-0.7	-2.6	0.9	1.9
16th	-0.9	3.2	0	0.2	-0.3	-1.8	0	-0.8	-0.4	0
17th	-1.3	1.6	-0.4	0.1	-0.1	-1	1	0	-1.1	0.1
18th	-1.5	3.1	-0.2	0.6	-0.4	-1.5	1.1	-0.7	-0.2	0.7
19th	-0.5	5.6	0.4	0.4	-0.6	-2.7	0.4	-1	-0.4	-1.8
20th	-5.5	5.7	0.8	0.2	1.5	-4	0	0.6	2.1	-4.3

D-919

RUN 41   PT 22

V/OR = 0.178
VKTS = 70.9

ALFS,U = 10.00
MTIP = 0.605

CLRH/S = 0.098383
CXRH/S = -0.018289

CTH/S = 0.100064
CP/S = 0.000043

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-109.4		607.8		336.5		10294.5		-56	
RMS	387.7		326.7		357.7		279.5		142.5	
1/2 P-P	602.3		589.2		665.4		614.1		277.6	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-235.5	480	-222.4	366.1	-234.2	372.8	-190	238.6	38.7	183.1
2nd	83.4	-37.9	110.1	-65.9	178.7	-120.4	169.7	-132.9	20.7	-0.1
3rd	-27	-11.2	-40.1	11.9	-27.3	6.5	-31.4	-23.3	40.8	-47.3
4th	23.2	-17.1	16.8	-34	26.9	-52.6	14.2	-66.1	-10.4	-7.2
5th	23.6	48.2	46.1	58.9	64.3	63.3	63	43.8	12.9	12.8
6th	-6	10.1	-4	27.9	-3.5	37.1	6.3	25	-3.3	10.7
7th	-14.5	20.9	-9.3	4.7	4.4	-13.2	29	-32.9	2.9	0
8th	6.8	-0.7	11.9	-8.7	9.3	-1	-3.3	8.2	-2.3	4.9
9th	-5.8	-1.3	1.4	-0.3	4.2	0	5	-5.2	-4.3	-2.6
10th	-2.1	17.3	6.9	8.9	1.7	5.7	-4.2	-10.3	2.1	9.5
11th	25.5	18.9	46.7	9.9	8.5	4.1	-30.2	-12.3	-0.2	-6.4
12th	-10.4	-9.5	-11.2	-4.5	-8.2	-5.3	4	-1.4	-2.6	-1
13th	-0.7	-9	-6.9	-17.8	-2.8	-9.2	1.2	2.2	6.3	0.7
14th	0.1	1	-0.3	3.9	1.1	7.3	0.6	-3.3	-10.5	-2.6
15th	0	-2.1	5	-12.4	8.9	-0.9	-0.5	-3.2	-2.4	8.9
16th	0.2	-1.3	-2.3	0.6	-1.3	6.2	-0.6	-1.9	-3.2	0.8
17th	-1.1	-3.5	2.5	3.1	3.2	7.5	0.9	-0.9	1.6	7.6
18th	1.9	-0.8	-0.7	-0.1	-3	6	-3.1	-1.9	4.1	-0.9
19th	7	-3.6	-2.7	1.7	-3.2	16.2	-8	1	1.5	-1.5
20th	6.6	-4	-0.9	-0.9	-5.4	20.7	-1.8	-1.4	-3.2	-3

D-920

RUN 41   PT 23

V/OR = 0.151　　ALFS,U = 10.00　　CLRH/S = 0.098312　　CTH/S = 0.099960
VKTS = 60.1　　MTIP = 0.604　　CXRH/S =-0.018088　　CP/S = 0.000739

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	200.7		12.4		0.7		-103.8		-3.1	
RMS	41.5		38.7		49.6		61.7		21.2	
1/2 P-P	97.6		81.9		91.5		116.6		50.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-10.6	23.2	-6.1	-22.3	2	-44	-5.7	-39.6	-11	-10.3
2nd	-10.7	3.3	-27.7	7	-40.4	14.3	-68.6	27.9	-20.1	8.6
3rd	0.2	-30.5	-10.3	-24.8	-16.8	-18.7	-13.9	7	0.8	-0.8
4th	-4	-18.4	-8.2	-16.2	-11	-14.1	6.3	0.1	6.3	-1.5
5th	-2.3	-8.8	-5.9	-7.2	-7.8	-2.9	6.3	-4	-1.6	-1.3
6th	4.3	-9.4	4.2	-8	3.5	-2.9	-3.7	0.5	-3.7	-1.4
7th	10.4	-2.5	7.7	-2.8	4.2	-0.6	-2.2	-0.5	1.7	-3.4
8th	-3.6	-1.6	-2.6	-0.5	-1	0	-1.2	-1.4	-1.5	-0.4
9th	-1	-5	-1.1	-2.1	0.2	0.8	-1.6	-2.2	-0.3	2.1
10th	-7.3	1.8	-4.2	1.1	0	-1.5	-3.4	1	2.2	-0.6
11th	-23.7	-17.2	-15.6	-4.1	2.7	1.5	-9.5	-1.4	7.4	0.6
12th	1.7	-10.3	-0.7	-4.7	0.4	2.5	-1	-1.5	0.1	1
13th	0.7	-4.4	-0.9	-2.4	0	1.1	-1.2	-0.1	0.6	0.9
14th	-3	-3.7	-1.4	-0.4	1.4	0.7	0.9	1	-0.9	-0.2
15th	-9.2	3.5	-2.4	2.7	2.9	-2.6	2.9	-2.9	-2.3	2.6
16th	-6.1	0.7	-1.4	2.3	2.7	-0.9	2.3	-2.1	-1.2	1.8
17th	-3.6	-2.1	-0.5	-0.5	1.9	-0.1	1.1	0.4	0.8	-0.3
18th	-3.1	0.5	-0.2	0.6	1.1	-1.2	1	-0.9	1	-0.3
19th	-3.3	0.6	0.4	0.4	1.6	-1	0	-1.3	1.5	-0.3
20th	-1.6	-1.5	-0.2	0.2	1.8	0.5	-0.4	-0.6	1.9	2

D-921

RUN 41   PT 23

V/OR = 0.151   ALFS,U = 10.00   CLRH/S = 0.098312   CTH/S = 0.099960
VKTS = 60.1   MTIP = 0.604   CXRH/S =-0.018088   CP/S = 0.000739

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-80.8		630.1		347.9		10216.2		-65.7	
RMS	367		289.9		306.2		236.7		137.6	
1/2 P-P	566.1		528.9		599.1		547.4		255.6	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-201	462.2	-154.2	336.3	-132.4	322.5	-95	193.4	20.6	182
2nd	86.3	-43.1	111.5	-68.4	182.2	-114.7	175.9	-130.3	23.3	-9.6
3rd	4.9	-18.6	-4	-5.2	12.3	-13.8	-1.6	-42.2	35.6	-35.6
4th	30.5	-8.6	24.4	-27.1	30.2	-45.5	6.8	-65.2	-5.3	-12.4
5th	34.9	46.3	65.5	58.7	91	68.6	76.4	50.7	6.7	11.2
6th	-3	4.2	3.8	24.6	8.1	34.2	7.3	25.2	-6.3	2
7th	-12.8	13	-4.6	7.8	7.5	-3.2	18.4	-17.5	1.2	-0.6
8th	8.4	0.4	9.2	4	4.7	7.9	-6.1	6.2	-3.2	2.8
9th	-9.2	-0.2	-0.4	4.6	5.1	3	9.1	-0.1	-4	-2.1
10th	-6	8	4.5	2	2	2.3	-0.5	-1.2	0.7	11.1
11th	16.8	21.9	43.1	20.4	6.8	2	-24.9	-15.7	1.2	-10
12th	-10.7	-5	-9.6	5.3	-5.3	-5.7	5.8	-3.5	-5.6	2.7
13th	-18.3	-5.6	-29.9	1.7	-22.2	-4.3	8	-1	6.8	1.8
14th	-2.6	0.2	-2.3	4.4	-7.5	-0.2	2.2	-0.3	-6.1	-6.3
15th	-0.8	-1.5	4.1	-11.9	-6.9	-1.8	1	-0.7	3.5	5
16th	0.7	-2	3.6	-1.5	-5.6	5.5	1.9	2	4.9	-12.3
17th	-1.6	-4.7	5.9	4.1	1.7	5.7	5.1	1.8	-9.4	5.3
18th	0	-5.3	1.3	1.9	-0.1	9.2	3.6	2.8	4.3	1.6
19th	-0.2	-7.6	3.2	3.4	5	13.6	8.1	4.8	-4.1	-3
20th	-2.4	-11.2	2.9	5.7	9.4	15.8	11.5	10.6	1.1	3.3

D-922

RUN 41   PT 24

V/OR = 0.125	ALFS,U = 10.00	CLRH/S = 0.098369 CTH/S = 0.100047
VKTS = 49.7	MTIP = 0.604	CXRH/S = -0.018272 CP/S = 0.001524

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	199.7		10.8		1.2		-99.2		1	
RMS	55.6		47		50.4		64		21.9	
1/2 P-P	143.4		120.4		106.3		125.1		67.2	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-22.5	32.7	-23.1	-11.3	-18.1	-28.2	-30.4	-24.4	-10.3	-10.5
2nd	-16.2	2.3	-33.7	5.7	-45.4	14.8	-66	31.6	-16.9	4.2
3rd	-15.7	-24.4	-24.3	-16.3	-29	-9.3	-25.2	9.3	2.1	-6.1
4th	-6.4	-12.9	-10	-10	-11.7	-6.4	3.5	-2.3	3	-5.5
5th	-11.4	-12.1	-15	-9	-14.9	-5.7	13.5	1.2	-0.3	-0.7
6th	6.1	-15.5	3.8	-13.5	2.5	-7.6	-1.6	3.9	0.3	-2.9
7th	8.5	-11.2	5	-10.3	3.4	-6	-1	-0.2	3.1	-5
8th	14.6	-4.8	9.7	-5.8	4.6	-2.8	1.6	-2.2	3.3	-0.7
9th	0.7	-3	0	-2	1.5	0.4	-0.3	-1.5	1.1	1.7
10th	-9.4	2.6	-6	2.3	0.9	0.5	-3.6	1.3	3.5	-1.4
11th	-34.3	-26.7	-23.5	-7.7	3.6	3.7	-13.8	-5	10.4	3.7
12th	2.7	-3.6	0.1	-2	-0.6	1.6	0.2	-1.7	-0.8	1.9
13th	-0.6	4.8	0.5	1.2	-0.7	-1.4	0	-2.1	0.1	3.4
14th	0	11.9	1.5	3.4	-1.3	-4.1	-1.4	-3.7	1.6	5.4
15th	-2.7	19.4	2.3	6.9	-1.2	-7.2	-1.6	-7.3	1.8	7.9
16th	-7.6	5.2	-1.7	3.9	2.8	-2.1	3.6	-3.8	-3.6	2.6
17th	2.4	-0.3	0.2	0.2	-0.5	1.3	0.1	0.7	-2.3	-0.3
18th	4.9	-2.7	0.1	-1	-1.5	3	-0.3	1.7	-2.1	0.1
19th	4.6	-6.4	-0.2	-0.9	0.1	4.6	0.7	1.5	0.2	0.1
20th	8.2	-3.3	-0.6	-0.9	-3.1	3.2	1.3	0.8	-2.5	-0.1

D-923

RUN 41 PT 24

V/OR = 0.125 ALFS,U = 10.00 CLRH/S = 0.098369 CTH/S = 0.100047
VKTS = 49.7 MTIP = 0.604 CXRH/S = -0.018272 CP/S = 0.001524

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	-47.9		661.7		371.7		10244.7		-74.8	
RMS	349.6		263.5		275.1		224.8		138	
1/2 P-P	554.6		524.1		529.7		477.9		242.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-134.1	457.2	-55.3	322	5.9	286.1	27.2	160.6	8.5	189.5
2nd	72.2	-56.8	106.3	-81.9	185.3	-130.2	180.4	-143.3	19.2	-12.9
3rd	32	-45.4	26.7	-47.8	48.1	-71.1	25.1	-88.2	18.7	-22.9
4th	20.2	-24.2	-6.1	-38	-15.5	-60.8	-41.4	-78.2	0.3	-7.7
5th	51.6	18.5	52.3	16.4	58.2	14.4	28	-2.2	7.1	4.3
6th	0.4	5.1	5.2	15.3	9.7	17.2	11.5	-0.5	5.9	-2.7
7th	-14.9	20.6	-6.6	15.6	0.8	0.9	11.6	-26	1.5	-1.2
8th	-1.8	3.7	-6.8	10.3	-4.3	7.6	11.7	-5.2	4.4	-1.8
9th	-3.7	-9.3	-0.8	-2	-0.2	3.3	4.9	5.4	1.8	-1.7
10th	-10.6	-1.6	-0.7	-4.4	-1.6	-0.6	4.3	2.9	3.6	5.5
11th	30.1	11.2	59.6	14.7	5.1	-1.1	-41.5	-12.7	0.9	-9.4
12th	-20.1	5.2	-21	17.8	-12.7	7.4	7.5	-6.2	-5.6	4.2
13th	-2.7	-6.3	-10.3	-10.9	-6.4	-2.1	2.4	3.5	0.7	2
14th	-2.4	-1	-8.8	-6.6	-1.6	8.5	3	-1.6	-5.3	7.6
15th	-1.7	1.4	0.2	-14.2	10.1	13.9	1.4	-4.1	3	0.6
16th	1.8	-1.2	-0.6	-6.6	-9.4	6.4	0.6	-1.9	9.1	.9
17th	-3.9	1.8	2	-0.7	8.6	-6.4	-0.2	-1	1.4	-2.1
18th	-2	-2.3	-2.9	10.4	4.1	4.3	-2.8	7.9	2.5	1.2
19th	-8.3	7.7	3.4	0.9	8.6	-26	2.9	-2.2	0.1	-1.4
20th	-5	6.4	0.8	3.6	9	-19	-6.1	1	3.7	2.6

RUN 41   PT 25

V/OR = 0.101   ALFS,U = 10.00   CLRH/S = 0.098775   CTH/S = 0.100426
VKTS = 40.1   MTIP = 0.604   CXRH/S = -0.018149   CP/S = 0.002700

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	199.2		9.9		0.1		-76.7		6.4	
RMS	90		70.6		52.1		57.5		28	
1/2 P-P	256.7		188.5		121.1		128.8		76.5	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-29.8	48.4	-33.8	2.9	-28.7	-11.7	-24.6	-38.1	-13.5	-13.4
2nd	-19.1	11.8	-28.6	10.4	-34.8	16.1	-54.3	-2.7	-17.5	-0.6
3rd	-0.3	0.7	2.1	-1	3.6	0.6	-7.3	11.5	3	0.4
4th	9.2	-14.5	7.1	-19.5	6.1	-20.3	-5.6	13.4	-1.8	4.3
5th	19.3	-45.9	8.7	-44.4	5.8	-35.1	-6.2	23.2	-0.1	5
6th	16.2	-37.7	5.9	-34.3	1.7	-22.2	-7.6	9.7	3.7	-8.1
7th	-23.2	-28.7	-23.4	-18.8	-12.1	-11.1	-1.2	-0.6	5.7	-10.7
8th	-9.4	-64	-17	-42.7	-5.5	-16.5	0.6	-10.3	-5.8	-14.9
9th	-10.8	-12	-11.2	-5.8	-3.2	-1.5	-0.8	-6.2	-3	0.8
10th	-12.2	14.1	-6	10.8	0.1	1.9	-1.8	1	2.4	0.9
11th	-40	21.4	-16.7	20.7	5.8	1.5	-9.1	10.7	9.7	-6.9
12th	-9.8	0.5	-4	3.2	3	1.7	1.2	3.5	-2	-3.5
13th	-5.6	7.4	-1.9	3.7	0.6	-1.4	3.1	1.3	-5.1	0.1
14th	-10.3	13.1	0	5	2.3	-5.3	3.2	-4	-3.2	5.1
15th	-8.5	14.3	-0.1	6.2	1.1	-5.8	0.3	-4.8	1.3	3.1
16th	-0.5	6.5	1	2.1	-0.2	-3.1	-2.4	-1.4	2.3	-2.3
17th	3	5.1	0.5	0.7	-1.9	-1.3	-3.1	-1.5	0.5	0.1
18th	3	1.7	1	0.4	-1.6	0.7	-2.9	-1.1	1.4	3.7
19th	-5	-2.2	0.2	0.3	2.8	-0.6	-1.1	-0.6	5.2	1.9
20th	7.1	-9.8	-0.7	1.4	-1.8	6.5	1.5	-2	-2.2	7

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RUN 41   PT 25   V/OR = 0.101   ALFS,U = 10.00   CLRH/S = 0.098775   CTH/S = 0.100426
                   VKTS = 40.1   MTIP = 0.604   CXRH/S =-0.018149   CP/S = 0.002700

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	21.5		725.7		431.8		10535.8		-102.8	
RMS	390.6		329.5		356.3		288.6		159.9	
1/2 P-P	619.8		589.9		732.6		684.7		281.6	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-95.2	510.8	2.7	356.9	81.5	307.3	59.3	188.8	-10.8	216
2nd	56.8	-10.1	93.1	-49.3	152	-94.5	135.5	-88.5	8.2	16.6
3rd	-119.7	14.1	-118.9	17.2	-123.6	4	-101.9	-8.3	11.4	16.4
4th	-6.2	11.6	-7.9	7.9	-4.9	10.4	1	-27.8	17	6.9
5th	43.7	93.9	159.3	135	243.9	177.7	260.6	110.5	42.2	12.1
6th	10.5	35.8	2.2	72.8	-5.9	90.1	-22.4	42.1	20	-4.4
7th	16.4	42.3	32.8	41.2	18.8	27.2	-31.6	-16.3	3.5	-7.4
8th	31.9	4.6	36.5	44.1	11.4	31.4	-20.6	-31.9	-1	-18.3
9th	14.1	14.2	22	11.1	10.3	3	-10.4	-18.7	2	1
10th	11.3	-5.9	13.8	-19.8	4.9	-3.8	-8.1	8.7	3	0.9
11th	38.2	-19	56.7	-53.7	7.2	-10.7	-31	14.2	-0.3	-7.9
12th	-8.7	-15.1	-5.9	-15.1	-11.4	-7.6	2.1	13.1	-2.9	-5.5
13th	4.2	6.5	15.9	4.8	9.8	15.9	-3.7	6.4	1.4	3.7
14th	-3.7	-1.2	0.9	-14.4	-2.8	9.2	9.2	-1.5	-16.5	6.3
15th	-1.2	4.6	6.6	-0.1	4.1	24	1.3	-8.7	3.1	2.5
16th	0.7	1.4	-6.7	-6.3	-5.5	0.9	-4.9	-5.2	-2	-4.6
17th	-0.9	2.3	-2.5	-4.2	5.6	0	-5.4	-0.7	8.3	4.3
18th	-1.5	-4.6	-5.7	1.5	4.3	7	2.2	8.7	0.3	-4.8
19th	-14.5	2	5.7	-8.7	11.2	-16.6	22.6	-7.2	-4.1	-1.8
20th	15.6	6	-7.1	5.5	-27.3	-5.3	-21.7	19.5	6	-6.9

D-926

RUN 41   PT 26

V/OR = 0.091   ALFS,U = 10.00   CLRH/S = 0.099160   CTH/S = 0.100792
VKTS = 36.2   MTIP = 0.605   CXRH/S = -0.018075   CP/S = 0.003319

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	202.1		13.4		8.5		-67.7		-47.1	
RMS	167.2		113.1		63.1		85.3		51.8	
1/2 P-P	522.8		310.7		157.1		211.3		179.9	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-23.7	56.4	-26.8	8.3	-23.2	-11.2	-27.4	-33.8	-16.1	-11.2
2nd	-10.3	14.2	-22.3	3.9	-29.4	1.5	-65.4	-10.2	-16.3	-2.8
3rd	17.2	2.5	13.7	-11.2	12.5	-15	-0.3	-7.5	5.4	-3.7
4th	9.3	6	6.7	-3	3.7	-2.5	-14.8	-12.6	-5.7	-2.8
5th	-27.4	-76.7	-35.9	-62	-27.9	-49.5	22.4	47.5	8.7	14.1
6th	36.3	-32.5	23.7	-32.6	15.7	-23.3	-1.5	15.1	11.7	-3.9
7th	13.4	15	12.2	7.9	5.8	1.5	6.2	-1.3	4.1	-5
8th	8.2	-97.2	-9	-69.2	-4.3	-24.5	2.1	-15.4	-6.1	-22
9th	19.2	-30.2	4.4	-23.8	-2.6	-5.9	0.4	-10.2	-2.3	1.8
10th	-15.8	17.9	-7.6	12.8	0.3	-1.9	-7.7	5.1	6.9	0.2
11th	-176.4	17	-88.3	43.5	19.2	2	-54.1	24.3	47.1	-15.7
12th	-24.7	-19.7	-15.1	-1.9	4.6	5.9	-6.3	3.1	5.2	-5.1
13th	-2.4	23.1	3	10.3	-0.7	-5.3	3	1.9	-5.2	-2.6
14th	0.9	37.2	9.1	11.1	-2	-12.7	-0.8	-10.2	-2.3	11.9
15th	1.3	20.4	5.1	5.9	-2.5	-6.9	-7	-9.3	7.6	10.2
16th	16.8	5	3.1	-3.9	-8	0.4	-10.1	3.7	11.6	-3.9
17th	15.5	9.3	2.7	-0.2	-8.7	-0.7	-4.3	2	1.1	-5.5
18th	6.3	-0.3	-0.1	-0.5	-2	1.9	1.8	1.5	-8.4	0.2
19th	-9.3	-12.6	-1.4	1.6	8.4	4.4	1.1	-0.6	3.8	7.9
20th	7.5	-23.5	-2.1	1.8	3.8	15.3	-1	-2	5.2	15.4

D-927

RUN 41   PT 26

V/OR = 0.091	ALFS,U = 10.00	CLRH/S = 0.099160
VKTS = 36.2	MTIP = 0.605	CXRH/S = -0.018075
		CTH/S = 0.100792
		CP/S = 0.003319

	Chord Bending, ft-lb MREB1A, r/R=0.127	Chord Bending, ft-lb MREB2, r/R=0.200	Chord Bending, ft-lb MREB3, r/R=0.300	Chord Bending, ft-lb MREB4A, r/R=0.454	Pitch Link Load, lb MRPR3
MEAN	47.5	742.4	414	11419.8	-103
RMS	447.9	451.4	474.3	430.9	186.9
1/2 P-P	836.2	1048.1	1003.4	941.5	417.3

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-61.5	562.6	13.4	403	68	361.9	32	234.1	-16.1	226.4
2nd	85.4	19.1	113	-14.1	165.6	-31.6	157.6	-42.9	20.3	28
3rd	-82	123.5	-72.1	111.4	-69.8	111.4	-64.2	72.9	11.7	49.2
4th	9.7	-10	-5.7	-71	-4.5	-122.4	31	-153.6	22.1	34.7
5th	179.3	61.1	348.3	-7.9	478.3	-39.9	433.4	-102.4	45.3	-66.1
6th	-12.3	23.4	-40.1	48	-51.3	60.6	-21.8	17.7	20.5	-7.7
7th	-24.1	20.6	-40.3	11.9	-38	8.9	-8.6	22.5	-3.9	9.3
8th	0.2	19.5	9.8	88.5	2.9	57	18.9	-61.7	6.2	-29.5
9th	9	10.7	11.9	27.1	19.9	7.6	-3.7	-14.7	-3.3	8.3
10th	2.7	-30.3	5.7	-45.5	2.8	-15.4	-10	10.2	1.8	-2.8
11th	117	-6.9	230.4	-88.2	17.4	-9	-173.6	66.1	-14.1	-11.6
12th	5.9	-19.6	26.1	-1.4	-3.7	-3.9	-7.7	-0.3	10.5	-16.6
13th	-4.4	-16.8	-9.7	-31.2	4.8	5.9	3.2	30.4	-9.4	2
14th	-6.5	2.1	-17.6	-15.6	4.9	31.3	1.5	-17	-37.3	13.4
15th	-1.7	3.4	0.6	-11.2	17.7	13.9	7.7	5.5	-5.8	8.4
16th	-0.7	3.5	-10.7	13.3	16.9	6.1	-11.8	-20.8	4.8	23.8
17th	1.4	-3.7	-10.1	-0.3	21.2	1.3	-4.4	17.8	12.4	19.6
18th	0.5	0.7	0	1.6	7.6	-6.3	-14.5	-10.6	4.9	-7.9
19th	7.4	-6.8	9.3	4.5	-18	5.7	28.1	21	6.2	-3.9
20th	2.9	-9.1	5.5	13.2	-7.2	-11.2	1.7	30.9	8.7	-12.3

D-928

RUN 41   PT 27

V/OR = 0.040	ALFS,U = 10.00	CLRH/S = 0.098950	CTH/S = 0.100627
VKTS = 16.1	MTIP = 0.605	CXRH/S = -0.018312	CP/S = 0.006655

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	250		77.4		83		93.2		29.9	
RMS	94.8		63.5		51.1		134.4		51.1	
1/2 P-P	233.5		162.5		125.2		254.6		113	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-31.6	80.5	-34.1	22.1	-36.1	-6.1	-94.1	-3.1	1.9	-2.3
2nd	12.2	12.7	-0.2	0.9	-3.2	-4.1	-148.5	-37.9	-53.1	-4
3rd	-27.4	16.2	-19.2	20.7	-17	22.4	-6.3	27.9	-37.7	5.2
4th	-22.5	-9.9	-20.4	-2.6	-19.2	-1.1	10.5	10.4	6.8	0.7
5th	24.1	-69.3	5.7	-61.1	2.3	-46.6	-3.2	48.2	17.4	7
6th	8.9	-1.8	4.4	-0.4	0.5	1.2	-1.4	1.1	10.2	-3.7
7th	-24.8	-18.2	-22.3	-9.8	-11.4	-5.4	3.3	-2.8	-8.6	-2.9
8th	8	-17.4	1.7	-12.3	0.1	-4.1	2.5	-3	-3.1	-2.4
9th	-2.3	-3.7	-1.4	-2.5	0.6	0.1	-1.2	-2.3	0.1	2.5
10th	-11.5	2.4	-6.1	2.3	0.6	1.3	-3.2	2	2.4	-0.7
11th	10.3	-11.8	3.6	-7.6	-0.8	2	1.7	-4.5	-0.6	2.9
12th	1.5	4.4	1.8	1.3	-0.1	-1.2	1	-0.6	-1	0
13th	-1	-3.8	-2	-1.6	-0.9	0.9	-0.6	0.2	-1.4	1.4
14th	-2.3	-7.3	-1.9	-0.4	1.2	2.7	1.5	2	-1.7	-1.7
15th	-3.4	-2.4	-2.6	-0.7	1	-0.6	1.6	0.1	-2.4	-1.8
16th	-4.5	5.2	0.4	2.2	1.1	-3.7	0.8	-3.7	-0.5	0.4
17th	-4.6	-1.7	-0.7	0.5	2.8	-0.6	2	-1.3	0.6	0
18th	-1.2	-0.5	-0.2	0.1	1.1	-0.1	0.6	-0.1	1.4	2.8
19th	3.6	-3	0.1	-0.7	-0.8	2.5	-0.5	0.5	0	2.5
20th	-2.9	4.5	0.8	0.1	-0.7	-2.9	-0.5	0.7	-0.1	-2.9

D-929

RUN 41 PT 27

V/OR = 0.040 ALFS,U = 10.00 CLRH/S = 0.098950 CTH/S = 0.100627
VKTS = 16.1 MTIP = 0.605 CXRH/S = -0.018312 CP/S = 0.006655

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	88.2		656.3		146.3		5051.2		-243.1	
RMS	386.6		326.5		384.1		345.3		187.9	
1/2 P-P	692.4		735.6		846.4		862.2		440.6	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-105.3	506.3	3.2	344.9	121.9	319.2	198.9	203.9	-15.5	224.2
2nd	82.8	11.2	78.2	-25	104.1	-30.3	107.7	-22.2	90.9	53.1
3rd	-92.8	-57.1	-120.3	-67.9	-139.6	-100.3	-151.3	-81.9	-18.8	5.9
4th	-16.7	12.4	-60.1	56.6	-95.7	76.6	-103.6	74.1	-8.9	-40.5
5th	22.3	91.6	56.2	225	73.8	331.1	64.3	291.3	53.4	5.9
6th	23.5	-25.2	0.1	-18.3	-8.4	-11.7	-9.5	4.2	6.9	-5.4
7th	23.1	9.5	37	13.8	27	13.8	-10.8	16.6	-4.6	11.1
8th	12.8	0.8	6.9	12.5	4.3	7.6	9.8	-22.8	6.4	-20.8
9th	-11.5	10.6	-5.9	9.3	-3	1.1	-8.7	-1.8	-11.6	12.1
10th	-3.7	12.4	6.8	3	-1.9	0.2	0.5	-7.4	1.3	4.6
11th	0.7	4.5	-3.6	15.2	1	-1.4	1.8	-5.5	1.5	0
12th	-8.3	-12	-14	-14.4	-4.8	-5	5.4	-6.8	-0.6	-8
13th	-6.6	4.2	-5	10.8	-6.4	4	-2.9	4.7	-0.2	8
14th	-0.1	0.8	3.5	8.2	-4.4	-0.4	3	-5.6	6.8	-15.2
15th	0.1	0.8	2.1	-1.5	-5.3	-4	5.6	6.1	5.8	11.6
16th	1.1	-1	6.3	-4.4	3.8	8.4	-5.5	-9	-5.2	-13.7
17th	-0.9	2.1	1.4	-1.6	-6.8	-1.3	12	13.3	-1.2	9.6
18th	-3	1.8	2.4	-1.2	3.1	-3	0.8	-15	2.8	-10.1
19th	-4.1	0.8	0.6	1.6	6.5	-10	1.3	13.2	-7	7.9
20th	-2.3	1	-0.3	-6.3	3.7	1.1	-8.1	-16.1	-7	-11

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RUN 41   PT 28

V/OR = 0.029   ALFS,U = 10.00   CLRH/S = 0.098574   CTH/S = 0.100285
VKTS = 11.6   MTIP = 0.606   CXRH/S = -0.018474   CP/S = 0.007341

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	247.3		76.7		81.4		105.9		45.9	
RMS	68.2		35.2		26.8		104.2		39.2	
1/2 P-P	142.4		78.1		59.3		166.2		85.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-24.8	78.3	-25.8	21.2	-24.7	-6.9	-130.4	-26.4	-13.7	-6
2nd	4.2	8.5	0.1	0.9	0.5	-1.9	-48.7	-26	-45.3	-6.9
3rd	-18.3	-1.6	-16.5	8.1	-17	12	-11.8	23.3	-18.5	-0.7
4th	-2.1	-12.1	-3.8	-8.9	-4.4	-8	-0.4	8.3	10.4	-0.1
5th	21.5	-13.3	12.9	-10.1	7.6	-3.2	-8.1	4.2	9.4	4.5
6th	2.7	-3.7	0.2	-4.2	-0.4	-2.4	1.6	2.1	-0.4	2.8
7th	-15.1	-16.7	-14.6	-10.3	-8	-4.6	2.8	-0.4	-8.1	-4.9
8th	12.9	-2.2	8.8	-3	3.6	-0.8	3	-0.6	0.6	-2.1
9th	-5.5	-3.7	-2.2	-1.4	1.2	0.5	-2.3	-1.1	2	0
10th	-9.2	-2.1	-5.4	0.8	0.6	2	-3.9	0.9	3.1	0.1
11th	15.3	-1.8	7.4	-2.9	-1.6	0.8	4.3	-2	-4.5	2
12th	-9.3	-1.2	-4	1.3	2.3	-0.6	-0.6	0.6	0.3	-0.1
13th	0	-0.4	-1.6	0.3	-1.4	-0.3	-1.4	0.8	1.8	-1.2
14th	4.5	2.8	1.3	0.4	-2.4	-0.6	-1.6	-0.2	1.7	0.2
15th	2.7	6.5	1.9	1.4	-2	-2.8	-2.3	-2.3	1.6	2.5
16th	2.5	-0.3	0.4	-0.5	-1.2	0.3	-0.9	0.8	0.2	-0.1
17th	2.9	0.2	0.8	-0.9	-1.1	0.2	-1.2	0.9	0.6	-1
18th	0.2	0.6	0.5	0	0.1	-0.5	-0.4	-0.1	1.1	-0.5
19th	-0.6	-1.9	-0.4	0.1	0.7	0.8	0.4	-0.1	0.5	1
20th	0.2	-2.4	-0.7	-0.1	0.6	1.8	0.3	0	0	1.6

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RUN 41   PT 28

V/OR = 0.029	ALFS,U = 10.00	CLRH/S = 0.098574	CTH/S = 0.100285
VKTS = 11.6	MTIP = 0.606	CXRH/S = -0.018474	CP/S = 0.007341

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MPR3	
MEAN	80.8		659.1		154.4		5067.4		-260	
RMS	344.8		267.4		299.4		282.3		159.4	
1/2 P-P	658.7		620.3		683.4		731.5		446.4	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-55.2	474.1	33.5	324.7	125.4	299.9	191.8	204.5	9.7	209
2nd	6.1	4.7	10.6	-7.4	22.3	-4.1	15.8	14.6	32.7	34.4
3rd	-8.6	-83.6	-31.1	-88.6	-38	-112.1	-57.2	-95.2	-3.9	-18.3
4th	1.6	6.4	-6.5	14.6	-12.1	16	-12.8	2.5	13.5	-23.3
5th	-10.7	35.1	-39.5	150.1	-66.3	228.4	-61.9	232.6	8.7	10.8
6th	10	4.9	2.3	0.6	-1.8	-0.9	-7.3	-2.9	-0.6	9.5
7th	8.1	4.8	12	13.8	2.8	13.6	-10.1	8.5	6.9	0.2
8th	-2.9	-1.1	-10.2	5.8	-6.5	6.2	13.3	-0.4	11.5	-6.4
9th	-26.2	7.1	-9.7	8.7	-1.4	0.7	3.4	1.4	-12.3	6.2
10th	-4.7	-2.1	4.7	-0.6	-0.3	-0.7	-1.1	7.4	1.8	1.2
11th	3.3	-9.2	-8.1	-3.8	5.4	-5	6.7	-0.1	3.4	-0.8
12th	14.6	-5.9	22.2	-13.2	4.8	-6.3	-18.7	3.1	-6.7	-2.6
13th	-10.6	9.7	-13.7	20.6	-10.8	14	-4.2	-5.4	-2.9	5.8
14th	0.4	0.5	-1.2	1.3	6.3	3.3	1.6	-7.2	7.3	-2.2
15th	-0.7	0.9	-6.9	-3.5	1.1	2.8	9.9	-2.9	4.8	-4.1
16th	-0.1	-0.1	-0.9	4.3	2.7	3.1	-7	1.6	-1.2	1.7
17th	-2.3	1.3	0.2	0	6.5	-4	3.5	12.2	0.4	11
18th	-1	0.9	1.6	1.1	3.2	1.5	0.9	-8.1	1	-7.1
19th	-0.4	1	0.7	-0.3	-2.9	-3.4	-8.6	10.6	-9.9	2.8
20th	-6.5	4.9	2.2	-0.4	2.3	-13.4	-4	-10.8	0.2	-4.8

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RUN 41   PT 29

V/OR = 0.018   ALFS,U = 10.00   CLRH/S = 0.099765   CTH/S = 0.101429
VKTS = 7.1   MTIP = 0.604   CXRH/S = -0.018309   CP/S = 0.008497

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	256.6		82.1		81.4		61.4		54.3	
RMS	78		52.2		41.5		78.5		35.4	
1/2 P-P	219.6		174.9		118.9		200.3		105.1	

HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-20.6	67.8	-19.8	18.7	-16.1	-5.4	-90.4	-21	-37.3	4.2
2nd	1.1	10.6	1.9	4.1	1.8	2.7	-0.7	-4.5	-12.3	-1
3rd	3.2	-12.5	-5.5	-12.2	-9.4	-13.9	-19.2	-11.5	6.8	2.9
4th	27.6	1.8	27.4	-4.4	28.1	-6.2	-20.1	-8.4	-12.8	6.9
5th	-10.6	39.6	2.7	36.1	6	30.2	-0.7	-34.8	-11.7	-2.5
6th	7.5	-8.6	4.2	-6.7	2.2	-2.2	0.4	1.7	-0.4	-0.6
7th	-1.2	2.5	-1.9	2.4	-1.6	2.1	1.7	0.3	-0.4	0.8
8th	6.5	7.7	5.8	3.8	2.4	1.5	1.1	2.9	1.8	-1.1
9th	-6.8	5	-2.6	4	0.8	1.2	-2.9	2	2.5	-1
10th	4.6	-3	1.5	-3.1	-0.3	-0.2	1.2	-2.5	0.3	1.4
11th	4.8	-0.6	1.9	-1.3	-0.4	0.1	1.2	-0.6	-1.3	2.4
12th	-1.4	3.8	0.1	1.5	0.5	-1.2	0.1	0.2	-1	1.6
13th	-4.4	1.2	-1.2	0.8	0.9	-0.7	1	-0.5	-2.2	0.5
14th	-1.8	-3.9	-1.2	-0.5	0.7	1.4	1.4	0.8	-1.6	-1.2
15th	4.4	-0.3	1.3	-0.9	-1.9	0.4	-1.5	0.5	1.2	-1.4
16th	-1.2	-0.3	-0.5	0.2	0.3	-0.5	0.7	-0.4	0.5	-0.8
17th	-0.8	-0.3	0	0.3	0.2	-0.3	0	-0.2	1.6	1.1
18th	-0.8	-2.5	-0.4	0.1	1.1	0.8	0.5	0.2	1.9	2.1
19th	2.3	-3.5	-0.2	0	0	2.1	0.2	0.3	0	2.8
20th	-1.7	4	0.2	-0.4	-0.8	-2	-0.3	1	-0.6	-2.2

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RUN 41   PT 29

V/OR = 0.018	ALFS,U = 10.00	CLRH/S = 0.099765	CTH/S = 0.101429
VKTS = 7.1	MTIP = 0.604	CXRH/S = -0.018309	CP/S = 0.008497

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	127.2		716.9		239.8		5166.8		-259.3	
RMS	287.7		218.3		228.8		220.5		135	
1/2 P-P	599.7		533.3		533		586.4		435.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-78.7	376.2	-5.2	256.4	65.5	235.3	111.7	166.4	20.5	164.9
2nd	-15.6	19.5	-20.1	10.7	-26	8.4	-40.4	20.9	-7.6	23
3rd	69.9	6.3	67.1	-14.2	77	-20.9	62.6	-32.1	16.7	-5.6
4th	-7.8	21.2	32.1	2.7	53.9	-6	89	-19.9	27	18.5
5th	-19.3	-38	9.9	-71	27.8	-97.7	46.8	-70.2	-44.8	0.5
6th	-3.5	-1.8	-22	19.4	-32.8	29.7	-42.4	24.4	7.8	1.3
7th	10.4	-8.8	4.5	-7.4	2.5	-0.5	9.1	6.1	7.8	5.6
8th	-5	3.5	-9.6	-3.3	-6	-4.5	13.2	-5.6	8.9	-7.6
9th	-11.1	6.2	-3.1	1.3	-0.8	0.7	-6	15.6	-5.1	8.3
10th	3.4	2.2	-0.3	3.6	1	0.8	0.7	-4.8	3.6	6.1
11th	-9.4	-0.7	-13.3	6.2	-4	4.5	5.4	-10.6	1.4	-8.5
12th	-12.1	-16.1	-20.2	-14.8	-13	-3.2	10.9	13.9	-1	2.4
13th	8.9	-5.2	10.1	-11.6	1.9	-3.6	-3	13.5	0.7	7.1
14th	3.2	-1.1	4.5	1.2	-2.2	-1.7	-4.5	2.6	-1.9	-4.5
15th	1.4	0.5	2.4	3.7	7.8	1	-1.6	-4.1	-0.2	0.6
16th	1	-0.5	2.4	-4.3	1.1	-3.4	-2.7	1.7	0.7	-2.3
17th	1.3	-1.4	-0.9	-0.7	-2.7	1.5	9.8	13.6	1.2	10.1
18th	0.9	-0.4	0.8	0.7	-2	-1.2	-3.2	-4.1	-1.8	-7.7
19th	-1.1	-2.6	1.1	3	2.7	-2	-6.3	12.5	-5.8	-1
20th	-1.3	3.7	-0.3	-6.2	0.8	-5	1.4	-18.3	3.5	-1.6

RUN 41   PT 30

V/OR = 0.000   ALFS,U = 10.00   CLRH/S = 0.098491   CTH/S = 0.100003
VKTS = 0.0   MTIP = 0.603   CXRH/S = -0.017324   CP/S = 0.008769

	Flap Bending, ft-lb MRNB1A, r/R=0.127		Flap Bending, ft-lb MRNB2, r/R=0.200		Flap Bending, ft-lb MRNB3, r/R=0.300		Flap Bending, ft-lb MRNB7, r/R=0.679		Flap Bending, ft-lb MRNB9A, r/R=0.920	
MEAN	256.1		85.6		86.7		61.1		51.9	
RMS	66.8		54.2		48.3		76.2		30.4	
1/2 P-P	194.3		154.4		139		215.1		84.7	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-2.1	5.9	0.7	2.7	3.6	1.2	-17.8	-24	1	-15.5
2nd	3.6	2.9	4.7	2.7	4.8	3.1	14.8	24.5	6.9	7.5
3rd	-18.5	-10.3	-35.1	1.9	-48.2	6.7	-71.6	19.5	1.3	2.8
4th	-0.7	-0.5	3.3	0.8	4.6	1.7	13.7	-6.6	3.9	-3.7
5th	14.4	27.2	16.1	17.4	13.1	11.2	-12.9	-8.4	-5.4	4.3
6th	-10.8	-9.2	-13.5	-4.4	-11.5	-0.2	9.2	-2.5	-4.8	2.7
7th	2.4	-9.6	0.9	-8.2	1.1	-3.9	2.7	-2.2	-4.6	5.3
8th	14.1	17	13.4	9.4	5.9	3.1	4.9	1.9	-0.3	3.9
9th	2.3	-0.9	1	0.6	0.2	1.5	2	0.8	-2.6	1.5
10th	5.2	-2.3	3.3	-2.6	0	-1	2.2	-1.9	-3.5	1.3
11th	-4.1	11.1	0.3	6.7	1.2	-1.4	0.7	5.1	-2.3	-5.4
12th	-2.7	-2.7	-1.2	0.2	1.6	0.4	-0.4	0.6	-0.6	-2.1
13th	-0.6	0.1	-1.1	0.5	-0.2	0	-0.1	1.1	-1	-2.3
14th	-8	-5.8	-3.2	-0.8	3.6	1.5	4	0.8	-5.9	-3.1
15th	0.8	-4.8	-1	-2	0.3	1.6	1.5	2.3	-2.5	-3.1
16th	9.3	-1.4	1.7	-2.6	-3.4	1	-3.2	3.3	0.7	-2.7
17th	4	1.6	1.4	-0.5	-1.7	-0.4	-2.3	0.1	-1	-0.4
18th	2.8	0.1	1	-0.6	-1.3	0.1	-1.4	0.1	-1.5	-0.7
19th	-1.6	0	0.5	0.1	1.1	-0.8	-0.7	-0.6	1.1	-0.8
20th	-0.5	-5.9	-0.4	0	2.3	2.6	-0.3	-0.7	1.5	2.6

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RUN 41   PT 30

V/OR = 0.000   ALFS,U = 10.00   CLRH/S = 0.098491   CTH/S = 0.100003
VKTS = 0.0   MTIP = 0.603   CXRH/S = -0.017324   CP/S = 0.008769

	Chord Bending, ft-lb MREB1A, r/R=0.127		Chord Bending, ft-lb MREB2, r/R=0.200		Chord Bending, ft-lb MREB3, r/R=0.300		Chord Bending, ft-lb MREB4A, r/R=0.454		Pitch Link Load, lb MRPR3	
MEAN	164.6		745.8		249.2		5199.2		-252.9	
RMS	199.7		241		301.1		297.6		69.5	
1/2 P-P	539		652		947.5		828.2		278.5	
HARMONIC	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE	COSINE	SINE
1st	-101.2	38.2	-68.3	37.6	-43.5	45.1	-12.5	40.9	4.9	50.6
2nd	-13.5	12.2	-23.3	10.8	-33.3	2.6	-44.4	19.3	-8.1	2.4
3rd	186.1	-113	133	-160.5	142.7	-203.9	90.8	-199.9	18.7	-25.2
4th	-12	15.4	14	47.3	25.3	71.9	49.6	74.9	-10.3	9
5th	-35.2	-36.3	-90.6	-113.2	-122.5	-172.5	-110.4	-174.1	1.8	23.8
6th	22.6	-5.8	-4.9	16.5	-23	28.1	-61.8	42.1	1.7	-4.6
7th	-15	12.1	-13.3	16.8	-12.5	11.5	5.5	2.3	6.7	13.3
8th	-15.2	-3.5	-24.6	-6.7	-16.5	-1.7	15.8	5.4	-0.1	0.8
9th	1.4	-16.7	-8.3	-11.2	-9.1	-6.2	-17.5	24	-8.3	6.2
10th	-2.3	5.4	-3.7	7.9	-1.9	3.4	8.2	-0.2	2.1	3.9
11th	7	-5.6	6.7	-17.2	2.6	-3.1	-3.9	1.9	-2.1	-4.7
12th	15.9	22.2	28.3	20.9	12.6	10.9	-14.9	-0.4	-1.6	3
13th	-9.6	3.1	-10	9.9	-7.4	7.3	5.3	3.5	3.1	1.2
14th	0.8	-1.6	4.9	-1.3	-10.3	-4	-7.6	-2.5	-7.4	-9.6
15th	0.4	-0.3	-0.2	-1.9	-2.6	-9.8	4	-4.4	8.9	-1.8
16th	0.7	-1	-6	6.6	5.2	-0.1	-11.2	-1.1	-4.3	4.4
17th	0.6	0.5	-4.6	0.1	1.7	-1	3.5	16.4	-1.4	9.3
18th	-0.1	0	-2.2	-0.1	1.7	-1.3	-3.7	-15.9	3.8	-8.6
19th	2.3	-5.9	3.7	2	3.7	10.7	-10.7	9	-8.1	-3.8
20th	9.1	4.6	-0.3	1.6	-19.1	-3.2	5.7	3.2	7	-0.1

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12a. DISTRIBUTION/AVAILABILITY STATEMENT

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13. ABSTRACT (Maximum 200 words)

A full-scale helicopter rotor test was conducted in the NASA Ames 80- by 120-Foot Wind Tunnel with a four-bladed S-76 rotor system. Rotor performance and loads data were obtained over a wide range of rotor shaft angles-of-attack and thrust conditions at tunnel speeds ranging from 0 to 100 kt. The primary objectives of this test were (1) to acquire forward flight rotor performance and loads data for comparison with analytical results; (2) to acquire S-76 forward flight rotor performance data in the 80- by 120-Foot Wind Tunnel to compare with existing full-scale 40- by 80-Foot Wind Tunnel test data that were acquired in 1977; (3) to evaluate the acoustic capability of the 80- by 120-Foot Wind Tunnel for acquiring blade vortex interaction (BVI) noise in the low speed range and compare BVI noise with in-flight test data; and (4) to evaluate the capability of the 80- by 120-Foot Wind Tunnel test section as a hover facility. The secondary objectives were (1) to evaluate rotor inflow and wake effects (variations in tunnel speed, shaft angle, and thrust condition) on wind tunnel test section wall and floor pressures; (2) to establish the criteria for the definition of flow breakdown (condition where wall corrections are no longer valid) for this size rotor and wind tunnel cross-sectional area; and (3) to evaluate the wide-field shadowgraph technique for visualizing full-scale rotor wakes. This data base of rotor performance and loads can be used for analytical and experimental comparison studies for full-scale, four-bladed, fully articulated rotor systems. Rotor performance and structural loads data are presented in this report.

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